

Ground-Water Levels in the United States 1956-58

Southeastern States

Prepared under the direction of O. M. HACKETT, Chief, Ground Water Branch

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1538

*Prepared in cooperation with the States
of Alabama, Florida, Georgia, Ken-
tucky, Maryland, Mississippi, North
Carolina, South Carolina, Tennessee,
Virginia, and West Virginia, and with
other agencies*



UNITED STATES DEPARTMENT OF THE INTERIOR

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PREFACE

This report was prepared by the Geological Survey in cooperation with the States of Alabama, Florida, Georgia, Kentucky, Maryland, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia, and with other agencies, by personnel of the Water Resources Division under the direction of:

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GROUND-WATER LEVELS IN
THE UNITED STATES

1956-58

SOUTHEASTERN STATES

INTRODUCTION

By O. M. Hackett

Publication of records of water levels in the United States in the annual series of water-supply papers was begun by the Geological Survey in 1935. From 1935 through 1939, 5 volumes were issued as Water-Supply Papers 777, 817, 840, 845, and 886. From 1940 through 1955, 6 volumes, each for a separate section of the United States as shown in figure 1, were published annually. The following table gives the numbers of water-supply papers by year and section.

Year	North-eastern (1)	South-eastern (2)	North-central (3)	South-central (4)	North-western (5)	South-western (6)
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	986	987	988	989	990	991
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028
1946	1071	1072	1073	1074	1075	1076
1947	1096	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161
1950	1165	1166	1167	1168	1169	1170
1951	1191	1192	1193	1194	1195	1196
1952	1221	1222	1223	1224	1225	1226
1953	1265	1266	1267	1268	1269	1270
1954	1321	1322	1323	1324	1325	1326
1955	1404	1405	1406	1407	1408	1409
1956	....	....	1456	....	....	....
1956-57	1537	....	....	....	....	....
1956-58	....	1538	....	....	....	....

The program begun in 1956 provides for the publication of 5 years of record in 1 volume for each geographic section. During a 4-year transitional period, however, 4 of the volumes will not contain 5 years of record, as shown in the following schedule:

North-central:	1956, 1957-61, 1962-66, etc.
Northeastern:	1956-57, 1958-62, 1963-67, etc.
Southeastern:	1956-58, 1959-63, 1964-68, etc.
South-central:	1956-59, 1960-64, 1965-69, etc.
Northwestern:	1956-60, 1961-65, 1966-70, etc.
Southwestern:	1956-60, 1961-65, 1966-70, etc.

Moreover, beginning in 1956, only water-level data from a basic network of observation wells will be published. The minimum basic network provides observation wells so located that the most significant data are obtained from the fewest wells in the most important aquifers. In some States the basic network forms the skeletal index of a more comprehensive observation-well program. Publications that contain substantial additional water-level data are listed at the end of each State report in this volume.

Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsd). Mean sea level is the datum plane on which the national network of precise levels is based; land-surface datum is a precise datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. A plus sign (+) is placed before a measurement if the level is above the plane of reference. Measurements of water levels in wells equipped with recording gages are given for every fifth day and the end of each month (eom).

In the collection of water-level data to serve the objectives of the observation-well program, the problem generally is to measure changes in water level accurately, rather than to determine the absolute position of the water surface. Because the measurements are made in many types of wells, under varying conditions of access and at different temperatures, neither the method of measuring nor the equipment can be standardized. At each observation well, how-

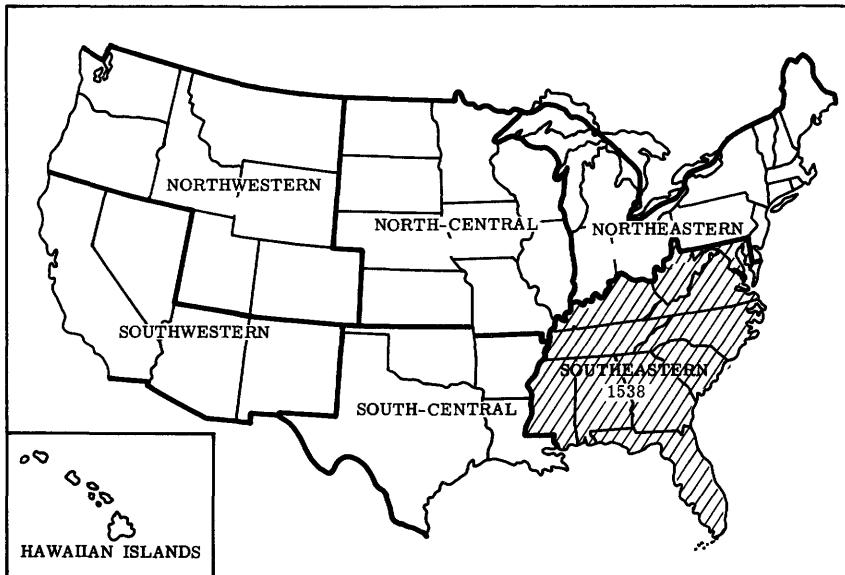


Figure 1. -- Outline map of the United States showing States included in this volume.

ever, the best possible combination of measuring technique and equipment is selected, and so long as it is not changed, the measurements at each well will be consistent.

Water levels are reported to as many significant figures as can be justified by the local conditions and the end use of the information. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, in view of the principal use to which the data are put, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

ALABAMA

By D. M. O'Rear

The observation-well program in Alabama was continued in 1956-58 in cooperation with the Geological Survey of Alabama. Additional water-level measurements for observation wells equipped with recording gages are published annually in the Information Series by the Geological Survey of Alabama. These reports include a more elaborate text with hydrographs and other illustrations (O'Rear and Knowles, 1955; O'Rear, 1957; O'Rear and Knowles, 1957). Figure 2 shows the location of observation wells included in this report.

Well-Numbering System

Wells are designated by abbreviations derived from county names and by serial numbers. For example, Bal-1 is well 1 in Baldwin County.

Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum unless otherwise indicated.

Baldwin County

Bal-1. Riviera Utilities. In waterworks lot. SE_{1/4}NW_{1/4} sec. 29, T. 7 S., R. 4 E. Drilled unused artesian well in sand and gravel of Citronelle formation, diam 24 to 12 in, depth 146 ft, cased to 146. Lsd 76 ft above msl. MP top of 12-in casing, 1.60 ft above lsd. Highest water level 16.0 below lsd, Sept. 26, 1949; lowest 31.2 below lsd, June 22, 1956. Records available: 1949-58. Affected by nearby wells being pumped.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	29.8	27.8	29.6	29.2	29.2	29.9	29.6	27.8	29.0	28.6	25.8	27.4
10	29.8	29.8	29.6	29.2	29.2	27.4	29.4	28.6	29.0	28.4	27.3	27.2
15	...	29.8	29.5	27.1	29.3	29.4	29.3	29.0	29.1	28.2	27.4	27.2
20	29.9	29.8	29.4	29.2	27.3	30.4	29.3	29.0	29.1	28.1	27.3	27.2
25	29.8	29.7	28.2	29.0	29.4	29.5	29.2	29.1	29.0	28.0	27.1	27.2
Eom	30.5	30.2	29.3	29.2	29.5	29.6	29.2	29.0	28.8	25.4	27.3	e27.2

1957

5	27.2	27.5	27.6	25.9	25.5	25.8	25.3	26.3	26.5	25.8	....	25.5
10	27.3	27.5	27.6	25.7	25.6	26.4	26.3	24.8	26.5	25.7	....	25.3
15	27.3	27.6	27.7	25.6	25.6	25.9	26.3	26.3	26.5	25.6	25.5	25.3
20	27.3	27.6	27.7	25.5	25.5	25.8	26.3	26.4	26.3	25.7	25.5	25.3
25	27.4	27.4	....	25.5	25.7	25.7	26.2	26.0	26.1	25.6	25.4	24.6
Eom	27.4	27.6	26.0	25.6	25.8	25.4	26.3	26.6	25.9	25.6	25.5	25.2

1958

5	24.5	25.0	24.7	23.9	23.7	24.1	23.5	23.0	22.1	....	21.5	22.0
10	25.2	24.8	24.5	23.9	23.7	24.6	23.4	22.2	22.0	21.3	21.7	21.8
15	25.1	24.9	24.5	23.2	23.8	23.3	23.3	22.5	22.0	21.4	21.7	22.2
20	25.1	24.8	24.2	23.0	23.7	23.8	22.8	22.4	21.9	21.4	21.8	22.3
25	25.1	24.7	24.1	23.7	23.3	23.8	23.1	22.8	21.8	21.6	21.9	22.4
Eom	25.0	24.7	24.0	23.7	24.0	23.5	23.1	21.5	21.5	21.5	21.4	22.4

e Estimated.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

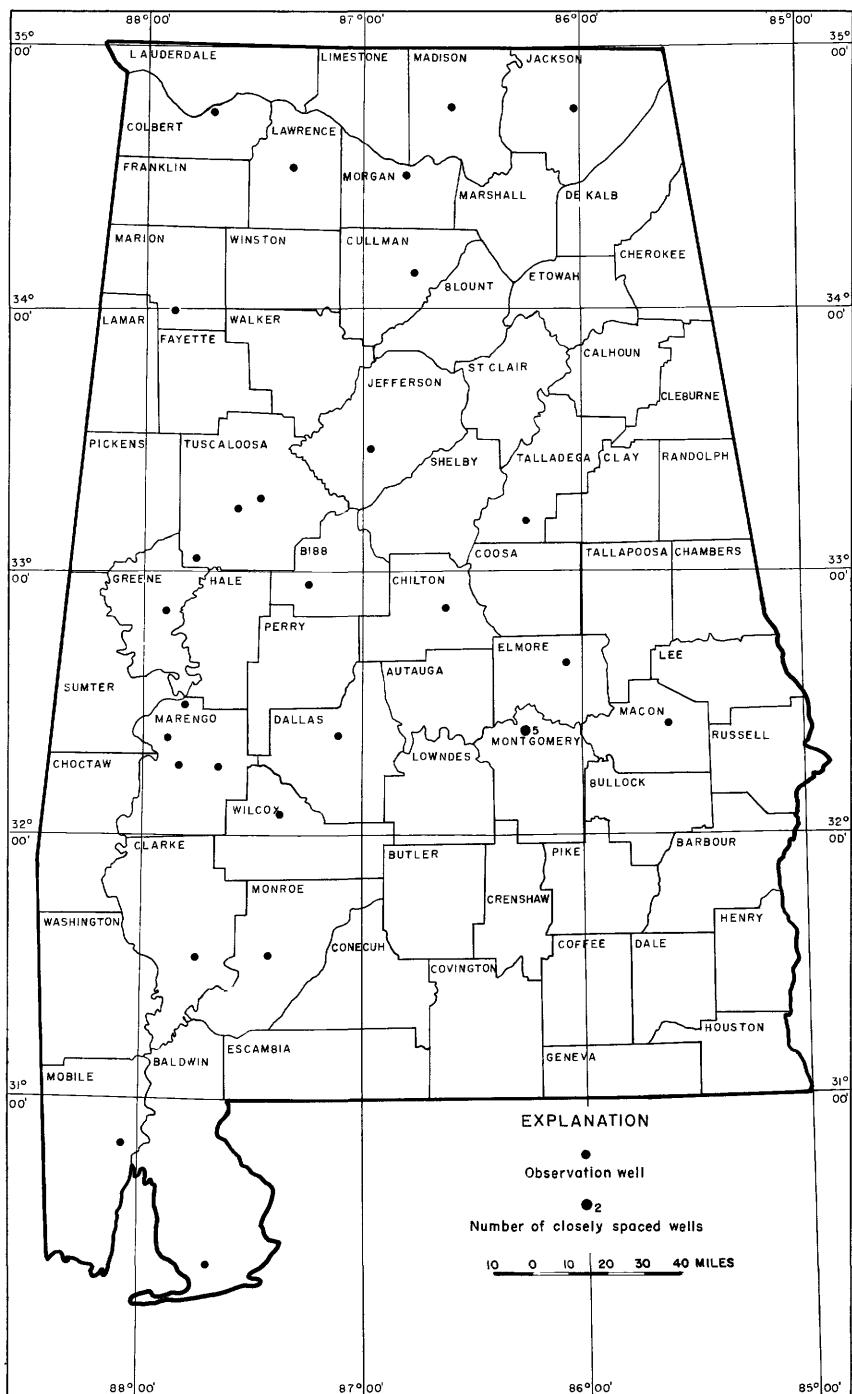


Figure 2.--Location of observation wells in Alabama, 1956-58.

Bibb County

Bib-1. Centreville Gin and Cotton Co. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, T. 23 N., R. 9 E. Drilled unused artesian well in sand of Tuscaloosa group, diam 8 in, depth 404 ft, cased to 80. Lsd 230.93 ft above msl. MP top of casing, 0.43 ft above lsd. Highest water level 18.0 below lsd, Apr. 2, 1951; lowest 32.3 below lsd, Oct. 16-17, 20, 22-24, 26, 30-Nov. 1, 1954. Records available: 1948-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	29.9	24.6	26.4	26.3	....	28.8	....	30.5	31.3	30.9	30.9	30.8
10	30.0	25.9	26.5	24.3	27.0	29.0	29.5	....	31.2	31.2	30.5	....
15	30.0	26.5	24.1	25.0	27.4	....	29.8	31.0	31.3	31.3	30.7	....
20	29.9	25.2	23.3	25.0	27.8	....	30.0	31.2	31.5	31.4	30.6	....
25	29.6	26.2	25.5	e25.9	28.3	....	30.2	31.3	31.5	30.7	30.6	....
Eom	29.6	26.8	26.0	....	28.5	....	30.4	31.3	31.7	30.9	30.8	29.5

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	29.4	26.1	28.1	22.8	26.5	28.5	28.4	29.7	e30.5	28.4	29.8	27.5
10	29.0	27.3	28.2	24.9	27.1	28.8	e28.9	29.9	30.2	29.1	29.6	26.5
15	29.7	28.1	27.7	26.0	27.0	29.0	e29.2	30.2	30.0	29.4	27.6	27.2
20	30.0	28.5	28.1	26.0	27.1	29.0	29.3	29.9	29.2	29.4	21.1	27.1
25	29.8	28.7	26.6	26.6	27.5	28.5	29.5	30.1	29.8	29.5	26.1	26.1
Eom	27.2	28.2	26.9	27.1	28.1	28.2	29.8	e30.4	28.0	29.6	27.1	26.8

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.1	27.0	....	26.4	26.5	29.2	29.2	....	29.7	....	29.3	29.3
10	27.4	....	....	26.6	26.7	29.4	28.4	....	29.8	....	29.5	29.5
15	27.6	....	....	26.7	27.5	29.6	27.4	....	29.3	....	29.5	29.6
20	27.8	....	....	26.7	e28.0	28.6	27.9	....	29.1	....	....	29.6
25	26.1	....	....	27.3	28.3	29.1	27.4	29.2	....	....	29.7	29.5
Eom	26.9	....	26.2	27.4	28.8	29.0	....	29.5	....	29.2	29.0	29.4

e Estimated.

Chilton County

Chi-3. U. S. Geol. Survey. Clanton. In waterworks lot. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 35, T. 22 N., R. 14 E. Drilled observation water-table well in sand and gravel of Tuscaloosa group, diam 2 in, depth 34 ft, cased to 34, screened 26-32. Lsd 571.56 ft above msl. MP top of 4-in casing, 1.00 ft above lsd. Highest water level 2.25 below lsd, May 8, 1953; lowest 9.52 below lsd, Nov. 2-3, 1954. Records available: 1952-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.30	3.80	3.73	3.28	....	4.66	5.74	6.63	7.33	6.83	7.03	6.88
10	5.34	3.81	3.95	....	3.93	5.01	5.92	6.77	7.44	7.14	6.65	6.94
15	5.41	3.99	3.30	....	4.15	5.06	6.05	6.84	7.54	7.18	6.85	6.15
20	5.26	3.58	3.27	....	4.43	5.19	6.26	7.00	7.65	7.20	6.64	6.29
25	e5.26	3.84	3.50	e3.50	4.50	5.36	6.38	7.05	7.54	6.82	6.75	5.06
Eom	5.22	4.05	3.30	3.74	4.48	5.59	6.51	7.23	7.64	6.86	6.78	5.25

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.10	4.38	4.28	2.53	3.56	4.37	4.57	5.77	e6.68	5.07	5.89	4.20
10	4.94	4.48	4.46	3.11	3.68	4.45	4.72	5.94	6.82	5.32	5.82	3.73
15	4.95	4.60	4.52	3.59	3.27	4.79	5.10	6.15	6.84	5.50	4.96	4.06
20	5.21	4.81	4.59	3.37	3.60	4.90	5.14	6.35	6.20	5.72	4.68	3.76
25	4.70	4.44	3.66	3.70	3.97	4.73	5.37	6.47	6.37	5.79	4.04	3.87
Eom	4.30	4.24	3.98	3.90	4.17	4.28	5.52	e6.60	e4.95	5.79	4.55	3.98

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	4.15	3.69	3.77	3.27	3.56	....	5.02	4.26	7.39	6.42	6.79	6.72
10	4.14	3.28	2.81	3.33	....	....	4.04	4.54	7.30	6.70	7.00	6.70
15	4.20	3.65	2.85	3.24	....	....	3.80	4.75	6.97	6.92	7.09	6.36
20	4.22	3.72	2.94	3.46	....	....	3.97	4.88	7.00	6.80	7.12	6.52
25	3.52	3.61	2.85	3.79	....	....	3.80	6.93	e6.67	7.00	7.14	6.31
Eom	3.74	3.62	3.15	3.59	....	....	3.92	7.19	6.84	7.16	6.63	6.30

e Estimated.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

Clarke County

Cla-1. City of Jackson. In waterworks lot. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 6 N., R. 2 E. Drilled unused artesian well in gravel deposits of Miocene age, diam 10 in, depth 171 ft, cased to 100, screened 100-140. MP top of 10-in casing, 0.25 ft below lsd. Highest water level 104.24 below lsd, June 23, 1958; lowest 119.29 below lsd, Oct. 23, 1958. Records available: 1958. Affected by nearby well being pumped.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	104.52	104.49	.....	.....	.....	.....	.....	105.40
10	104.53	104.37	.....	.....	.....	.....	.....	105.39
15	104.58	104.31	.....	.....	.....	.....	.....	105.38
20	104.41	104.34	.....	.....	.....	.....	105.43	105.38
25	104.96	104.35	.....	114.62	.....	.....	118.99	105.41	.....
Eom	104.79	104.76	.....	.....	.....	.....	.....	105.40	.....

e Estimated.

Colbert County

Col-1. U. S. Army, Corps of Engineers. Muscle Shoals. Diamond Alkali Co. plant. NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, T. 3 S., R. 10 W. Drilled unused artesian well in limestone of Fort Payne chert, diam 8 in, depth 265 ft. Lsd 527.8 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 5.3 below lsd, Mar. 21, 1955; lowest 37.5 below lsd, Dec. 24, 27-28, 1954. Records available: 1953-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	35.6	10.1	.....	.....	.....	.....	27.7	26.8	.....	32.6	33.6	36.6
10	34.5	....	.....	.....	.....	.....	27.7	28.3	30.5	33.9	33.8	36.4
15	34.7	....	.....	.....	.....	.....	27.8	28.3	31.8	33.9	34.7	19.7
20	36.2	....	.....	.....	.....	.....	24.8	28.4	32.1	34.0	34.7	21.5
25	36.0	....	.....	.....	.....	25.2	24.1	28.4	32.2	33.9	35.0	15.5
Eom	27.5	....	.....	.....	.....	25.4	25.9	.....	31.8	34.1	36.2	17.9

1957

5	15.4	....	10.3	11.3	17.1	25.3	24.6	h28.5	.....	.....	32.4	11.4
10	14.7	....	e9.4	10.3	19.3	25.0	25.9	....	h33.1	....	29.1	....
15	17.6	....	10.3	11.7	21.5	26.2	27.7	29.7	....	33.3	....	11.5
20	18.7	....	10.9	12.6	22.1	27.0	23.6	29.3	....	33.3	9.5	9.1
25	16.4	....	11.6	13.9	23.2	....	26.2	....	....	30.8	9.3	9.5
Eom	....	....	12.4	15.5	24.6	....	....	....	h32.2	31.6	9.1	10.8

1958

5	11.3	e11.9	12.6	....	....	13.83	....	....	....	21.1	28.0	28.0
10	12.4	9.4	13.5	....	....	15.17	....	....	....	23.2	29.5	29.0
15	12.4	10.3	14.2	....	....	....	14.7	....	....	24.3	30.1	29.8
20	13.1	11.8	14.7	10.0	....	....	16.0	....	....	25.0	29.8	29.5
25	10.5	12.3	13.3	....	....	....	9.1	....	....	26.4	30.1	30.9
Eom	11.2	12.0	10.9	....	12.38	....	....	....	....	27.6	26.3	31.5

e Estimated.

h Tape measurement.

Cullman County

Cul-1. City of Cullman. 2d St. and 3d Ave., West. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 10 S., R. 3 W. Drilled unused water-table well in sandstone of Pottsville formation, diam 8 in, depth 81 ft, cased to 13. Lsd 768 ft above msl. MP top of casing, 1.30 ft above lsd. Highest water level 12.73 below lsd, Apr. 29, 1958; lowest 26.6 below lsd, Aug. 6, 1952. Records available: 1952-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.0	16.8	16.6	16.5	16.8	17.3	17.2	17.8	....	....	....	17.7
10	18.3	16.8	16.7	16.3	16.8	17.6	e17.4	....	....	....	17.8	17.8
15	18.0	16.9	16.4	16.2	16.8	17.5	17.5	e17.4	....	....	17.6	....
20	18.4	16.8	16.8	16.8	17.0	17.4	17.4	....	....	....	17.6	....
25	18.1	16.8	16.9	16.9	17.3	....	17.5	....	....	....	17.5	....
Eom	18.5	17.0	16.8	16.9	17.1	17.2	17.7	....	....	....	17.7	....

e Estimated.

ALABAMA, ELMORE COUNTY

7

Cul-1--Continued.

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	16.5	16.1	14.8	15.9	15.9	15.7	15.8	15.7	14.7	15.2	14.0
10	....	16.5	16.0	14.9	16.0	15.9	15.9	15.8	15.8	14.8	15.1	13.4
15	17.2	16.4	15.9	15.2	15.9	16.0	15.9	16.0	15.2	15.0	....	13.7
20	17.1	16.5	15.7	15.1	15.8	16.0	15.7	15.7	14.9	15.3	....	13.4
25	17.0	16.0	15.3	15.1	16.0	15.9	15.8	15.7	15.1	15.1	....	13.4
Eom	16.3	....	15.2	14.7	16.0	15.7	15.8	15.8	14.6	15.0	....	14.0

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.08	12.86	14.23	....	13.53	15.42	14.62	14.33	14.08
10	13.12	13.01	14.05	....	13.72	15.33	14.26	14.58	14.11
15	14.24	....	....	12.96	13.41	....	13.75	13.83	15.50	14.38	14.43	14.33
20	13.01	13.22	....	13.61	14.96	15.22	14.30	14.27	14.32
25	12.88	13.25	13.31	....	13.16	14.92	14.71	14.55	14.11
Eom	13.16	12.83	13.75	....	13.53	15.25	14.79	14.25	13.97

h Tape measurement.

Dallas County

Dls-2. City of Selma. In waterworks lot. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, T. 17 N., R. 11 E. Drilled unused artesian well in sand of Eutaw formation, diam 6 in, depth 420 ft. Lsd 125.26 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 13.5 below lsd, Feb. 17, 1946; lowest 41.6 below lsd, Aug. 29, 1957. Records available: 1941, 1945-58. Affected by nearby wells being pumped.

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.8	23.3	21.0	24.1	25.8	28.9	33.0	....	34.0	....	26.7	24.1
10	19.4	18.3	21.4	22.6	23.2	30.0	29.8	33.8	30.3	....	25.0	21.9
15	22.5	18.1	21.7	21.5	27.7	25.2	....	36.1	....	28.7	27.5	21.3
20	18.9	21.9	17.3	22.5	25.2	28.2	31.8	35.4	34.9	....	24.8	25.3
25	19.0	21.6	20.5	23.2	....	30.3	33.1	....	30.4	....	22.0	24.9
Eom	21.3	19.0	23.3	23.0	30.7	....	33.1	34.9	30.5	26.9	23.5	19.0

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.7	22.4	22.7	20.0	23.7	27.9	27.6	33.0	35.2	28.2	25.9	21.9
10	23.7	23.0	25.1	16.3	25.0	31.0	33.9	34.1	30.7	27.1	26.4	20.0
15	20.1	19.5	19.6	21.5	23.3	35.0	33.3	....	28.2	25.4	29.6	26.7
20	19.8	23.4	23.1	18.4	23.9	31.8	30.2	35.6	31.8	23.2	21.8	23.8
25	23.7	25.4	23.6	23.9	24.9	31.6	28.3	36.0	28.3	26.7	22.9	19.2
Eom	18.9	20.1	24.2	24.6	30.6	29.6	36.1	40.0	26.0	22.6	20.3	18.1

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.0	19.6	18.4	19.7	18.2	27.7	30.1	30.0	32.9	27.7	26.6	29.9
10	23.2	16.2	15.4	17.6	23.1	30.4	27.6	28.3	31.1	29.4	30.3	26.7
15	18.8	21.1	17.8	17.2	25.5	31.2	27.2	....	29.0	28.9	31.3	26.5
20	18.6	25.3	16.3	20.8	20.4	26.9	28.1	30.8	29.5	28.1	29.5	28.9
25	18.4	20.1	16.1	21.0	22.5	30.8	26.3	32.1	29.5	30.8	27.4	21.8
Eom	20.0	22.7	15.7	17.9	30.6	29.5	30.7	32.6	30.5	29.3	21.8	25.1

Elmore County

Elm-1. City of Eclectic. High School. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T. 19 N., R. 20 E. Drilled unused artesian well in augen gneiss, diam 8 in, depth 402 ft, cased to 63. Lsd 557.5 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 6.70 below lsd, May 10, 1957; lowest 12.76 below lsd, Oct. 29, 1954. Records available: 1953-58.

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	11.81	11.39	9.29	7.88	7.98	9.18	9.86	9.49	10.20	9.32	9.21	9.35
10	11.88	10.87	9.22	7.64	8.18	9.40	....	9.56	10.30	9.22	9.13	9.35
15	11.92	e10.65	9.06	7.62	....	9.39	9.75	9.68	10.44	9.19	9.25	9.41
20	11.90	10.19	e8.60	7.72	....	9.54	....	9.82	10.59	9.19	9.20	9.38
25	11.98	9.89	8.51	7.84	....	9.63	....	9.97	9.88	9.08	9.11	8.74
Eom	11.84	9.68	8.04	7.93	8.76	9.71	9.40	10.12	9.57	9.17	9.30	8.47

e Estimated.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

Eln-1--Continued.

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.34	7.84	7.88	7.20	6.98	7.52	8.22	8.66	....	8.03	8.36	7.82
10	8.31	7.82	7.85	7.05	6.98	7.81	8.35	8.89	9.48	7.98	8.80	7.56
15	8.31	7.80	7.83	7.14	6.94	8.01	8.49	9.02	9.51	7.96	8.30	7.52
20	8.37	7.84	7.83	6.99	6.94	8.13	8.34	9.10	....	8.04	8.35	7.48
25	8.18	7.84	7.72	7.15	7.21	8.35	8.44	9.28	....	....	7.97	7.36
Eom	8.00	7.91	7.76	7.27	7.49	8.41	8.46	....	....	8.14	7.80	7.49
	1958											
5	7.62	7.71	7.59	....	7.70	8.75	....	8.17	9.21	9.00	9.48	9.88
10	7.63	7.49	7.19	....	7.74	8.92	....	8.35	9.40	9.10	9.69	9.93
15	7.76	7.50	7.00	....	7.99	9.10	....	8.56	9.39	9.20	9.70	9.88
20	7.84	7.47	6.86	....	8.10	e9.00	....	8.65	9.28	9.24	9.77	9.93
25	7.87	7.42	6.74	7.36	8.23	8.88	8.15	8.81	9.15	9.39	9.90	9.93
Eom	7.90	7.50	....	7.50	8.56	8.92	8.17	9.03	9.16	9.51	9.87	9.82

e Estimated.

Greene County

Gre-3. U. S. Geol. Survey. Eutaw. Sewage pumping plant on Roberts St. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33, T. 22 N., R. 2 E. Drilled observation artesian well in sand of Eutaw formation, diam 4 to 2 in, depth 407 ft, cased to 407, screened 395-407. Lsd 172.14 ft above msl. MP top of 4-in casing, 1.00 ft above lsd. Highest water level 35.94 below lsd, Apr. 2, 1953; lowest 40.31 below lsd, Sept. 11-13, 1957. Records available: 1952-58.

Lowest water level for the day, from recorder graph, 1956

Day	1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	38.46	38.41	37.98	37.66	37.44	38.02	38.53	39.01	39.29	39.34	39.14	39.09
10	38.45	e38.34	37.92	37.60	37.43	38.18	38.58	39.13	39.27	....	39.14	39.10
15	38.44	38.26	37.86	37.55	37.45	38.25	38.65	39.25	39.24	....	39.13	39.10
20	38.43	38.17	e37.79	37.48	37.51	38.28	38.75	39.33	39.26	....	39.12	39.10
25	38.42	38.10	e37.75	37.44	37.62	38.30	e38.82	39.35	39.29	....	39.10	39.06
Eom	38.42	e38.04	37.69	37.42	37.85	38.41	38.94	39.36	39.35	39.18	39.08	38.98

1957

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	39.14	38.86	38.31	38.18	38.14	38.62	39.41	39.76	40.24	39.73	39.28	38.67
10	39.08	38.78	38.27	38.14	38.15	39.09	39.41	39.86	40.30	39.62	39.23	38.57
15	39.04	38.71	38.24	38.13	38.17	39.38	39.50	39.90	40.29	39.56	39.16	....
20	39.01	38.63	38.23	38.12	38.25	39.48	39.59	40.08	40.16	39.49	39.05	....
25	38.99	38.39	38.22	38.12	38.33	39.49	39.44	40.15	40.03	39.43	38.94	....
Eom	38.93	38.36	38.19	38.14	38.43	39.45	39.71	40.26	39.89	39.35	38.76	....

e Estimated.

Jackson County

Jac-1. Tennessee Valley Authority well 28. Scottsboro. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 4 S., R. 6 E. Drilled unused water-table well in Fort Payne chert, diam 8 in, depth 16 ft. Lsd 641.88 ft above msl. MP top of galvanized-iron casing, 1.00 ft above lsd. Highest water level 0.4 below lsd, Jan. 31, 1957; lowest dry, Sept. 28, 1937, July 21-Sept. 14, Sept. 21-28, Oct. 21, Nov. 3-17, 1944, Oct. 5-Nov. 3, 1947, Sept. 26-Nov. 1, 1948, Oct. 4-Nov. 22, 1954, Sept. 29-Oct. 20, 1956. Records available: 1936-41, 1943-58. Recording gage installed Apr. 28, 1956.

Lowest water level for the day, from recorder graph, 1956

Day	1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	....	38.26	....	....	37.83	38.10	38.43	38.30	38.54	38.56	38.58
10	38.43	38.23	....	....	....	37.80	38.24	38.45	38.33	38.59	38.54	38.58
15	38.42	38.20	....	....	37.85	37.78	38.39	38.40	38.36	38.61	38.55	38.59
20	38.39	....	....	....	37.83	37.79	38.40	39.37	38.41	38.61	38.55	38.59
25	....	....	....	....	37.85	37.80	38.40	38.34	38.46	38.59	38.58	38.50
Eom	....	....	....	....	37.85	37.93	38.39	38.30	38.50	38.58	38.59	38.47

f Dry.

h Tape measurement.

Jac-1--Continued.

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	...	...	4.1	3.2	9.0	8.5	9.0	10.9	12.9	4.9	8.0	5.4
10	h5.4	...	...	4.9	9.6	7.6	9.7	10.9	h13.2	7.1	5.9	3.6
15	4.9	5.0	4.8	5.9	8.2	8.5	9.5	11.1	10.8	8.0	4.2	5.2
20	...	4.4	4.7	6.8	7.9	9.2	10.0	11.7	9.6	6.7	3.8	4.2
25	4.7	5.2	4.7	7.3	6.6	9.7	10.1	...	9.5	7.5	2.8	4.8
Eom	h. 4	4.4	5.5	8.3	7.6	8.3	10.5	12.3	5.9	8.2	4.8	5.2

1958

5	5.9	5.9	5.7	6.0	5.1	...	10.9	9.2	...	...	13.10	9.72
10	6.6	4.7	5.7	5.7	4.7	...	8.4	9.7	13.15	...	12.96	10.20
15	5.3	5.7	4.8	6.2	...	...	7.9	...	13.31	...	13.03	10.34
20	6.6	...	4.9	6.6	...	...	9.1	10.2	13.32	...	13.01	10.44
25	4.6	5.4	5.4	6.2	...	...	6.2	9.6	13.40	...	12.96	10.49
Eom	5.4	4.7	5.5	3.6	...	10.9	8.7	...	...	13.42	...	9.31

h Tape measurement.

Jefferson County

Jef-1. U. S. Geol. Survey. Birmingham. SE₁SW₄ sec. 29, T. 18 S., R. 3 W. Drilled observation artesian well in Bangor limestone, diam 6 in, depth 140 ft, cased to 68. Lsd 641.94 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 28.9 below lsd, May 6, 1958; lowest 83.04 below lsd, Dec. 27-28, 1954. Records available: 1954-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	65.45	.....	.....	.....	47.48	53.04	56.26	60.66	64.58	67.76	.....
10	.....	59.50	.....	.....	.....	48.66	53.69	56.98	61.38	65.18	68.03	.....
15	.....	56.30	.....	.....	.....	49.56	54.20	57.64	61.97	e65.59	68.50	.....
20	70.93	.....	.....	40.47	44.36	50.43	e54.78	58.32	62.74	66.04	68.80	70.90
25	71.13	.....	.....	.....	45.41	51.39	e55.23	59.11	63.39	66.62	.....	68.99
Eom	70.43	.....	.....	.....	46.52	52.31	55.80	59.99	64.09	67.25	.....	66.23

1957

5	65.4	51.3	47.0	38.5	40.5	44.7	47.8	50.6	54.3	51.5	52.4	43.9
10	63.6	49.2	46.7	38.1	41.1	45.4	e48.2	51.2	e54.8	50.1	52.9	42.5
15	63.3	48.9	45.5	38.8	41.7	46.2	48.6	51.7	e54.4	50.1	50.3	42.3
20	63.1	48.3	44.7	38.6	42.4	46.7	49.1	52.3	55.5	50.6	48.0	41.8
25	62.8	48.3	43.0	38.6	43.2	47.3	49.5	52.9	55.5	51.0	45.4	40.0
Eom	56.9	47.9	42.0	39.4	44.0	47.8	50.1	53.7	54.4	51.6	44.2	40.1

1958

5	....	....	34.1	....	....	35.3	....	40.3	....	45.9	....	48.5
10	....	36.5	e33.1	....	....	36.4	....	e40.8	....	46.2	....	....
15	41.7	35.7	32.3	....	....	....	....	e41.5	....	46.5	....	....
20	42.2	35.3	31.9	....	....	....	41.4	....	....	47.1	....	....
25	40.8	35.0	....	....	....	....	e42.1	....	....	....	....	48.1
Eom	39.3	34.3	....	....	....	....	41.6	....	46.3	....	....	....

e Estimated.

Lawrence County

Law-1. City of Moulton. East side of hospital. NE₄NE₄ sec. 32, T. 6 S., R. 7 W. Drilled unused artesian well in Bangor limestone and Hartselle sandstone, diam 6 in, depth 260 ft, cased to 20. MP top of casing, 0.40 ft above lsd. Highest water level 11.01 below lsd, Nov. 19, 1957; lowest 20.52 below lsd, Jan. 16-18, 1956. Records available: 1955-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.88	....	14.46	....	14.59	16.90	15.98	16.17	17.76	18.50	....	....
10	19.19	13.01	14.80	....	15.03	17.14	....	16.53	17.75	18.80	17.49	18.20
15	20.37	13.04	14.15	13.33	15.48	17.10	16.15	16.68	18.08	19.09	17.81	13.24
20	20.34	12.14	....	13.50	15.95	16.99	15.45	17.03	18.28	19.49	....	14.52
25	20.12	13.40	....	14.51	16.52	15.81	15.38	17.20	18.56	....	....	13.89
Eom	....	14.13	....	15.07	16.53	15.47	16.06	17.52	18.92	....	....	14.97

Law-1--Continued.

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	11.85	14.72	13.89	15.65	17.06	16.56	19.12	20.08	15.36	16.23	13.78
10	13.37	13.96	16.11	16.26	17.10	19.57	19.06	15.78	15.02	12.32	12.32
15	14.00	.....	16.28	16.40	17.30	20.09	18.03	16.23	13.56	13.29	13.29
20	14.62	.....	.....	16.71	17.42	19.14	16.70	16.37	11.72	13.65	13.65
25	14.43	.....	.....	16.23	17.80	19.23	16.75	15.89	11.75	13.80	13.80
Eom	14.92	.....	16.92	16.84	19.05	19.57	15.88	15.93	12.74	14.24	14.24

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.63	.....	13.77	13.81	12.82	16.05	17.21	15.60	16.64	14.81	15.84	14.21
10	13.77	13.42	14.05	13.67	13.34	16.38	15.96	16.19	17.09	15.32	16.23	14.70
15	13.90	13.95	14.17	13.71	13.79	16.77	15.71	16.10	16.70	15.88	16.20	15.09
20	14.03	14.40	14.03	.....	14.59	16.91	16.15	16.39	16.61	15.96	15.08	15.26
25	13.66	13.14	14.04	13.23	15.07	17.15	15.69	15.80	13.70	16.25	15.32	15.39
Eom	13.85	12.93	13.57	12.45	15.75	17.01	15.11	16.29	14.65	16.64	13.63	15.13

Macon County

Mac-1. Tuskegee Institute, NE $\frac{1}{4}$ sec. 26, T. 17 N., R. 23 E. Drilled unused artesian well in sand of Tuscaloosa group, diam 18 to 8 in, depth 355 ft, cased to 355, screened 315-355. Lsd 436.47 ft above msl. MP top of 18-in casing, 0.75 ft above lsd. Highest water level 54.57 below lsd, Nov. 30, 1957; lowest 94.15 below lsd, Jan. 1-2, 1951. Records available: 1948-58. Affected by nearby wells being pumped.

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	72.60	72.40	71.85	71.30	71.05	71.15	68.45	71.15	70.70	70.45	70.55	70.10
10	72.50	72.35	71.90	71.20	71.25	71.15	70.55	70.75	70.75	70.60	70.70	70.15
15	72.55	72.25	71.65	71.15	71.05	71.15	70.75	70.55	70.60	70.65	70.30	69.95
20	72.60	72.05	71.65	71.25	71.20	71.20	70.75	70.60	70.60	70.70	70.20	70.00
25	72.65	71.85	71.60	70.40	71.25	71.15	70.80	70.70	70.45	70.60	e70.10	69.70
Eom	72.75	72.05	71.40	71.10	71.15	71.20	71.05	70.65	70.55	70.50	70.05	69.60

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	69.55	69.18	68.96	68.48	68.20	67.95	67.30	67.22	67.86	67.63	55.86	69.62
10	69.54	69.08	69.01	68.56	68.15	68.02	67.28	.....	67.90	67.63	55.70	71.04
15	69.42	69.22	68.97	68.55	67.99	68.11	67.31	67.34	67.85	60.68	55.23	72.16
20	69.41	69.15	68.83	68.44	67.84	68.03	67.52	67.37	67.85	57.83	55.03	72.31
25	69.48	69.10	68.65	68.38	68.00	67.92	67.41	67.56	67.85	56.78	54.76	72.83
Eom	69.36	69.04	68.77	68.34	68.03	67.55	67.35	67.91	67.71	56.20	61.20	70.76

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	73.84	74.72	79.81	80.31	79.66	79.20	78.90	78.33	77.85	77.86	78.08	78.04
10	73.72	74.69	79.48	80.24	78.97	79.06	78.68	78.48	77.81	77.93	78.08	78.25
15	73.36	76.63	80.15	80.14	78.95	79.05	78.20	78.17	77.83	78.11	78.12	78.34
20	73.64	75.76	80.36	80.19	79.00	78.93	78.11	77.70	77.78	78.02	78.21	78.22
25	73.67	78.94	80.55	79.76	78.80	78.78	78.19	77.64	77.76	78.02	78.16	78.28
Eom	74.73	77.98	80.71	79.79	79.98	.....	78.19	77.78	77.83	78.17	78.30	78.03

e Estimated.

h Tape measurement.

Madison County

Mad-1. City of Huntsville. Junior High School. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 36, T. 3 S., R. 1 W. Drilled observation artesian well in Fort Payne chert, diam 8 in, depth 140 ft, cased to 69. Lsd 660.13 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 49.43 below lsd, Apr. 9, 1951; lowest 59.75 below lsd, Dec. 17, 1956. Records available: 1951-58.

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	51.80	52.54	52.21	53.72	56.52	57.12	57.65	58.04	.....	.....	.....
10	h58.37	52.17	52.02	51.97	.....	54.19	56.41	.....	57.65	58.12	.....	.....
15	58.42	52.27	52.13	52.15	52.22	.....	56.38	57.42	57.75	58.21	.....	.....
20	58.68	52.04	51.44	51.21	.....	55.65	.....	57.55	57.83	.....	.....	.....
25	58.31	51.76	.....	51.58	.....	.....	56.76	57.64	57.93	.....	.....	.....
Eom	57.83	51.84	52.15	51.92	.....	.....	56.89	57.64	57.99	.....	58.86	.....

h Tape measurement.

ALABAMA, MARENGO COUNTY

11

Mad-1--Continued.

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	53.60	.....	.....	58.51	.....	.....	.....	.....
10	54.60	.....	.....	.....	53.96	.....	.....	58.84	.....	.....	.....	.....
15	55.87	57.87	.....	.....	.....	.....	.....
20	h50.30	.....	52.56	.....	56.27	58.27	.....	.....	.....	54.39	.....
25	52.84	.....	.....	.....	.....	.....	.....	53.58	.....
Eom	h50.54	.....	53.16	.....	.....	.....	.....	.....	.....	53.53	.....

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	53.8	....	52.8	.....	.....	54.95	....	57.01	58.22	57.71
10	54.0	....	52.9	.....	.....	55.42	....	58.33	57.79	.....
15	54.2	....	53.1	.....	.....	56.00	....	57.63	58.42	57.97
20	54.1	54.4	54.3	53.4	.....	.....	56.56	....	57.85	58.34	58.20
25	54.1	e54.2	54.3	53.8	.....	.....	56.91	....	58.03	58.38	58.15
Eom	53.9	54.8	....	54.1	.....	54.73	....	.....	58.17	57.84	58.22

e Estimated.

h Tape measurement.

Marengo County

Mag-1. J. C. Webb Compress Co. Demopolis. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 24, T. 18 N., R. 2 E. Drilled unused artesian well in sand of Eutaw formation, diam 4 to 2 in, depth 900 ft, cased 0-22, 457-900. Lsd 110 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 0.15 below lsd, Feb. 26, 1954; lowest 21.2 below lsd, Dec. 30, 1958. Records available: 1953-58. Affected by nearby wells being pumped.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	4.1	5.2	4.9	5.6	6.5	8.5	....	....	....	8.1	6.7	5.7
10	4.6	4.9	...	4.4	4.8	8.8	9.5	10.7	7.4	7.6	7.1	5.4
15	6.6	5.6	...	4.9	6.1	7.4	9.6	....	8.9	7.1	8.2	5.7
20	5.9	...	4.0	5.6	6.3	8.8	11.4	....	8.6	8.0	6.8	...
25	5.8	...	4.8	5.8	7.4	9.3	10.2	....	7.7	7.1	6.1	5.3
Eom	...	...	5.6	6.5	7.7	10.6	8.5	....	8.2	6.3	6.1	...

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.9	...	...	6.3	7.4	9.7	5.9	11.5	14.3	9.9	10.5	10.8
10	5.8	...	...	e6.6	7.3	9.1	7.0	e12.5	13.2	9.7	11.1	11.6
15	5.7	...	...	7.3	...	10.0	8.7	...	12.8	10.0	11.2	12.9
20	...	...	...	7.9	7.5	11.1	10.7	...	11.0	9.7	10.1	11.0
25	...	...	5.9	e8.1	8.1	9.9	10.6	...	e10.5	9.4	9.6	8.0
Eom	5.8	...	7.0	8.6	9.1	7.3	11.6	15.4	9.6	9.4	e10.1	9.7

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	10.9	12.3	13.3	12.0	9.9	....	....	....	15.7	....	....	10.9
10	12.9	11.7	12.1	12.1	e11.0	....	....	....	....	....	....	....
15	12.1	12.9	12.9	12.6	11.3	....	....	14.2	....	....	....	....
20	11.8	...	12.3	13.4	....	10.9	....	....	....	....	12.0	....
25	11.8	...	12.0	11.6	....	13.0	14.3	13.1	....	....	10.9	17.1
Eom	11.9	...	11.2	e9.3	....	13.0	13.5	14.2	....	....	11.1	....

e Estimated.

Mag-2. Thomaston Prison. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 24, T. 15 N., R. 4 E. Drilled unused artesian well in sand of Eutaw formation, diam 4 in, depth 1, 224 ft, cased to 20, screened 1, 202-1, 222. Lsd 154 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 7.83 below lsd, Mar. 30, 1954; lowest 11.29 below lsd, Aug. 30, 1952 (previously reported 10.07 below lsd, Sept. 14, 1955). Records available: 1954-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	9.84	9.52	9.55	9.55	9.73	10.05	9.99	10.32	10.59	10.69	10.88	10.95
10	9.78	9.53	9.64	9.55	9.83	10.17	9.85	10.37	....	10.73	10.77	....
15	....	9.56	9.66	9.46	9.90	9.94	10.01	10.44	....	10.77	10.80	....
20	9.68	9.69	9.69	9.63	9.89	9.88	10.12	10.51	....	10.72	10.77	....
25	9.67	9.78	9.79	9.71	10.04	9.92	10.08	10.56	....	10.69	10.71	....
Eom	9.82	9.85	9.65	9.75	10.06	10.08	10.20	10.52	....	10.73	10.76	....

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	10.58	10.45	10.48	10.39	10.51	10.64	10.65	10.81	11.25	10.72	10.95	10.95
10	10.68	....	10.55	10.44	10.41	10.62	10.77	10.83	11.20	10.76	11.14	10.79
15	10.60	....	10.58	10.53	10.45	10.77	10.86	10.98	10.92	10.80	10.88	10.92
20	10.71	....	10.53	10.46	10.43	10.80	10.85	11.02	....	10.85	....	....
25	10.58	....	10.44	10.52	10.57	....	10.82	11.11	....	10.84	....	....
Eom	10.48	....	10.55	10.49	10.70	....	10.79	11.23	10.66	10.85	....	....

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

Mag-2--Continued.

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	11.06	10.89	11.08	10.88	.....	.....	.....	10.62	10.23	10.35	10.15	10.19
10	11.00	10.91	11.02	10.89	.....	.....	.....	10.44	10.19	10.28	10.11	10.23
15	10.97	10.95	11.08	11.08	.....	.....	.....	10.38	10.25	10.21	10.06	10.01
20	10.92	11.22	11.03	.....	.....	.....	.....	10.39	10.34	10.22	9.98	10.08
25	10.73	11.08	10.96	.....	.....	.....	10.66	10.53	10.33	10.14	10.06	10.01
Eom	10.80	.....	11.01	.....	.....	.....	10.69	10.32	10.39	10.29	9.99	10.21

Mag-3. U. S. Geol. Survey. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, T. 16 N., R. 3 E. Drilled observation flowing artesian well in sand of Eutaw formation, diam 5 to 2 $\frac{1}{2}$ in, depth 1,332 ft, cased 0-147, 899-1, 332, perforated 1,280-1, 320. Lsd 95 ft above msl. MP top of 4-in pipe, 2.55 ft above lsd. Highest water level 67.0 above lsd, Feb. 16, 1957; lowest 59.6 above lsd, Sept. 9, 17, 23-24, Oct. 1, 15, 24, 1956. Records available: 1955-58. Recording gage removed Jan. 28, 1958.

Lowest water level for the day, above lsd, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+63.3	+62.9	.....	e+61.8	+61.3	e+61.3	+61.3	+60.8	+60.3	.....	+60.1	.....
10	63.6	61.7	+61.3	61.6	61.6	61.1	60.6	.....	59.8	+60.3	59.8	.....
15	.....	62.1	61.6	62.1	61.1	61.1	61.3	61.1	60.1	59.6	60.6	.....
20	62.1	.....	61.8	.....	61.3	.....	61.3	e60.6	60.3	60.3	60.6	.....
25	.....	.....	61.6	61.6	61.6	61.3	60.6	.....	59.8	59.8	60.3	.....
Eom	62.5	61.1	60.8	60.6	61.1	61.1	61.1	60.3	59.8	60.1	.....	.....

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	+64.7	.....	+65.8	.....	+65.8	.....	+64.7	.....	+65.3	+64.7	+65.8
10	.....	65.8	+65.3	65.8	+64.7	65.3	.....	64.7	.....	64.7	64.7	65.8
15	+64.7	65.8	65.3	65.3	65.8	65.3	.....	63.5	+65.3	65.8	65.3	.....
20	.....	65.3	65.3	65.3	e65.4	65.3	65.3	+64.7	63.5	65.3	64.7	65.3
25	64.7	65.3	65.3	65.8	65.3	65.3	64.7	.....	64.7	64.7	65.3	.....
Eom	64.7	65.3	65.8	65.3	65.3	64.7	64.7	64.7	64.7	64.7	65.3	.....

e Estimated.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	+64.7	Mar. 14, 1958	+65.4	June 24, 1958	+65.2	Sept. 24, 1958	+64.7
Feb. 1 27	64.8 66.1	24 May 25	65.2 65.1	Aug. 25	64.8	Nov. 19	64.5

Mag-4. U. S. Geol. Survey. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 15 N., R. 3 E. Drilled observation artesian well in sand of Ripley formation, diam 4 to 2 in, depth 207 ft, cased to 123, screened 123-129. Lsd 164 ft above msl. MP top of 4-in casing, 1.00 ft above lsd. Highest water level 36.91 below lsd, June 22, 1958; lowest 39.87 below lsd, Mar. 27, 1956, Mar. 10, 1957. Records available: 1956-58.

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	38.61	38.62	38.74	38.88	39.14	.....	39.52	.....
10	38.70	38.63	38.78	.....	39.33	39.39	39.58	.....
15	38.48	38.63	38.81	38.86	39.16	39.31	.....	.....
20	38.98	38.57	.....	.....	38.81	38.89	39.19	39.33	39.40	.....
25	38.79	38.75	38.64	38.77	.....	.....	39.40	39.37	.....	.....
Eom	38.76	38.61	38.71	38.82	39.07	39.31	39.23	.....	.....	.....

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	39.24	39.37	39.21	38.76	.....	38.65	38.72	39.07	.....	.....
10	39.67	39.41	38.96	38.81	38.67	38.68	38.90	39.07	.....	.....
15	39.31	39.56	39.39	38.90	38.83	38.61	38.70	38.77	38.97	.....	.....
20	39.38	39.34	.....	38.78	38.68	.....	38.72	38.82	39.18	.....	.....
25	39.11	39.31	39.11	38.89	38.65	38.63	.....	38.98	38.93	.....	.....
Eom	39.41	38.97	38.86	38.80	38.59	38.84	38.93	38.85	.....	.....	.....

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	37.33	37.35	37.00	37.01	37.15	37.28	.....	37.28
10	37.37	37.12	37.10	37.08	37.10	37.43	.....	37.53
15	37.49	37.07	37.08	37.04	37.19	37.43	.....	37.62
20	37.25	37.09	36.92	37.07	37.14	37.28	.....	37.46
25	37.71	37.19	37.08	36.95	36.96	37.24	.....	.....	37.57
Eom	37.63	37.20	37.13	37.02	37.15	37.21	.....	.....	.....	37.50

Marion County

Mar-1. M. M. Burleson. Guin. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32, T. 12 S., R. 13 W. Drilled unused artesian well in sandstone of Pottsville formation, diam 6 in, depth 520 ft, cased to 80. Lsd 452 ft above msl. MP top of casing, 1,00 ft above lsd. Highest water level 5.90 below lsd, May 5, 1958; lowest 11.76 below lsd, Nov. 10, 1954. Records available: 1952-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	11.39	10.68	9.70	....	....	8.47	8.78	9.15	9.38	9.64	....	9.76
10	e11.41	10.50	e9.59	....	....	8.58	8.85	9.18	9.41	....	9.67	9.83
15	11.39	10.38	9.48	....	8.09	8.60	8.88	9.20	9.44	....	9.74	....
20	11.43	9.93	....	....	8.22	8.65	8.96	9.23	9.55	....	9.66	....
25	11.47	9.80	....	....	8.35	8.70	9.02	9.24	9.60	....	9.69	....
Eom	11.34	9.79	....	....	8.36	8.68	9.12	9.35	9.65	....	9.73	....

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	7.38	7.07	7.66	7.79	7.87	8.45	8.96	8.73	8.95	7.66
10	7.61	7.35	7.14	7.75	7.85	8.04	8.50	9.04	8.79	8.72	7.31
15	7.69	7.35	7.30	7.84	7.95	8.12	8.63	8.90	8.83	8.24	7.39
20	7.66	7.33	7.38	7.64	7.99	8.20	8.74	8.94	8.95	7.88	7.29
25	7.48	7.30	7.52	7.77	8.04	8.29	8.80	8.97	8.85	7.57	7.10
Eom	7.45	7.32	7.56	7.89	7.95	8.34	8.90	8.83	8.85	7.67	7.31

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	7.32	7.06	....	6.01	6.85	....	7.31	7.91	7.56	8.01	7.90
10	7.40	7.04	e6.95	....	6.01	6.93	....	7.49	7.99	7.74	8.21	7.96
15	7.45	7.10	6.85	....	6.19	....	7.30	7.58	8.04	7.80	8.09	8.08
20	7.42	7.18	6.84	....	6.31	....	7.33	7.64	7.90	7.85	7.98	8.13
25	7.25	6.91	....	6.74	6.40	....	7.10	7.70	7.47	7.97	7.95	....
Eom	7.32	7.03	....	6.63	6.67	....	7.16	7.83	7.52	8.08	7.93	7.94

e Estimated.

Mobile County

Mob-1. Courtaulds, Inc. Salco. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 1 S., R. 1 E. Drilled unused water-table well in sand and gravel of Pliocene(?) and Miocene age, diam 12 to 8 in, depth 123 ft, cased to 123, screened 105-123. Lsd 43.1 ft above msl. MP top of 12-in casing, 1.00 ft above lsd. Highest water level 38.50 below lsd, Sept. 22, 1954; lowest 47.00 below lsd, Oct. 19, 1957. Records available: 1954-58. Affected by nearby wells being pumped.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	....	....	....	....	40.49	41.04	41.47	....	42.62	43.15	42.14
10	40.71	....	....	....	....	40.76	41.07	41.76	41.85	42.49	43.12	42.16
15	40.82	....	....	....	....	40.81	40.99	....	41.85	42.36	42.55	42.15
20	41.10	....	....	....	....	40.82	41.12	41.80	42.22	42.28	42.40	....
25	....	....	....	....	....	40.86	41.39	41.81	....	42.15	42.19	42.40
Eom	....	....	....	....	....	41.02	41.45	41.93	42.79	42.77	42.11	....

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	42.6	....	....	42.87	....	....	h44.2	43.85	....	....	45.86	44.68
10	42.6	42.91	....	42.82	h42.75	....	....	....	....	....	45.46	44.61
15	42.7	42.75	42.78	....	....	....	....	....	....	....	44.99	44.62
20	42.8	42.88	42.76	....	....	....	....	....	h46.00	....	44.85	44.53
25	42.7	42.85	42.80	e42.77	....	....	....	....	....	h46.00	44.75	44.61
Eom	42.6	42.70	42.94	....	h42.7	....	....	....	....	....	44.69	44.56

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	44.64	44.51	44.26	43.72	43.14	42.99	43.14	43.47	44.08	44.17	44.18	44.58
10	44.54	44.47	44.12	43.57	43.09	42.99	43.18	44.01	43.96	44.29	44.14	44.40
15	44.45	44.33	44.46	43.48	43.11	43.10	43.19	44.53	43.93	44.59	44.11	44.26
20	44.52	44.42	44.64	43.32	43.15	43.08	43.21	44.66	44.00	44.32	44.46	44.11
25	44.44	44.26	44.28	43.21	43.05	43.10	43.27	44.39	44.17	44.21	44.82	44.04
Eom	44.49	44.18	43.97	43.16	43.00	43.15	43.38	44.24	44.25	44.17	44.66	44.00

e Estimated.

h Tape measurement.

Monroe County

Mon-3. U. S. Geol. Survey. Monroeville. American Legion Club. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 6 N., R. 7 E. Drilled observation artesian well in sand and gravel of Miocene and Pliocene age and limestone of Eocene and Oligocene age, diam 6 in, depth 128 ft, cased to 88, open hole. Lsd 408 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 58.93 below lsd, May 4, 1958; lowest 65.54 below lsd, Mar. 7, 15, 1956. Records available: 1953-58.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	64.75	65.29	65.48	65.02	64.78	64.78	64.80	63.98	63.70	63.69	63.77	64.07
10	64.84	65.35	65.53	64.97	64.76	64.85	.....	63.89	63.69	63.67	e63.83	64.13
15	e64.93	65.40	65.54	.....	64.77	64.86	.....	63.81	63.69	63.65	e63.88	64.18
20	e65.02	e65.40	e65.37	64.87	e64.75	64.89	.....	63.76	63.71	63.65	e63.93	64.25
25	65.13	65.45	65.27	64.80	64.77	64.81	64.20	63.73	63.73	63.69	e63.98	63.67
Eom	65.22	65.48	65.13	64.78	64.76	64.79	64.10	63.72	63.69	63.71	64.02	63.19

1957

5	63.12	62.44	62.36	62.46	60.97	59.64	59.34	59.19	59.57	59.89	60.20	59.96
10	63.02	62.40	62.38	62.17	60.71	59.57	59.26	59.24	59.66	59.90	60.30	59.82
15	62.84	62.38	62.45	61.94	60.44	59.51	59.21	59.30	59.70	59.95	60.33	59.72
20	62.75	62.36	62.44	e61.76	60.13	59.46	59.18	59.37	59.80	60.02	60.36	59.70
25	62.56	62.31	62.48	61.52	59.95	59.43	59.17	59.43	59.83	60.07	60.24	59.61
Eom	62.49	62.35	62.51	61.20	59.77	59.43	59.17	59.51	59.85	60.14	60.12	e59.62

e Estimated.

Montgomery County

Mtg-1. City of Montgomery well 15A. Court and Chandler Sts. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, T. 16 N., R. 18 E. Drilled unused artesian well in sand of Tuscaloosa group, diam 8 in, depth 674 ft, Lsd 164.50 ft above msl. MP top of casing, 1.30 ft above lsd (since Jan. 5, 1958). Highest water level 102.9 below lsd, Mar. 14, 1951; lowest 162.2 below lsd, Aug. 9, 1956. Records available: 1940-41, 1946-58. Affected by nearby wells being pumped.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1956	124.5	May 5, 1956	134.5	Jan. 30, 1957	155.89	Feb. 25, 1958	139.52
31	125.4	10	139.6	Apr. 30	160.70	Mar. 25	136.49
Feb. 4	124.0	15	146.7	May 27	158.03	Apr. 23	142.85
6	121.8	18	150.4	June 27	149.71	May 20	154.60
16	124.7	Aug. 9	162.2	Sept. 26	149.86	June 23	155.15
19	124.2	15	160.1	Oct. 10	129.72	July 24	151.69
26	123.4	20	159.6	Nov. 11	129.65	Sept. 22	155.13
Mar. 4	123.9	25	158.3	Dec. 30	130.32	Oct. 20	155.04
Apr. 5	126.4	29	158.3	Feb. 1, 1958	139.47		

Mtg-2. City of Montgomery well 37. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, T. 16 N., R. 17 E. Drilled unused artesian well in sands of Eutaw formation and Tuscaloosa group, diam 18 to 10 in, depth 680 ft, cased to 670, screened 208-218, 232-242, 330-350, 376-386, 403-418, 605-620, 650-670. Lsd 161.50 ft above msl. MP top of 18-in casing, 1.20 ft above lsd. Highest water level 67.1 below lsd, Apr. 27, 1952; lowest 128.1 below lsd, Oct. 2-3, 1955. Records available: 1951-58. Affected by nearby wells being pumped.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	100.6	99.7	94.6	79.7	82.7	106.5	.....	.....	103.4	101.1	95.4	91.1
10	101.3	98.1	95.8	75.5	81.9	109.9	.....	.....	100.1	101.1	94.6	90.5
15	101.8	....	94.8	76.4	88.5	.....	.....	.....	102.8	99.6	93.9	89.5
20	101.4	....	93.3	75.9	96.0	.....	.....	.....	104.0	98.9	....	89.4
25	100.2	....	87.8	75.0	102.7	.....	.....	.....	104.3	97.5	91.9	87.7
Eom	101.4	97.0	....	80.5	105.7	106.1	103.3	107.5	102.9	95.5	91.4	87.0

ALABAMA, MONTGOMERY COUNTY

15

Mtg-2--Continued.

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	86.6	83.9	81.5	83.3	83.0	94.9	95.9	104.8	104.9	96.0	91.4	95.3
10	86.0	84.8	81.1	83.6	84.7	97.2	100.7	105.0	101.8	....	89.1	92.0
15	86.7	84.5	80.6	80.1	84.8	99.6	102.9	107.9	100.4	....	87.2	88.3
20	86.3	83.1	79.9	79.0	87.9	101.4	102.2	105.8	101.1	....	88.4	86.0
25	85.7	82.2	79.4	79.7	81.1	100.2	102.3	105.1	100.0	....	89.7	89.8
Eom	85.6	81.8	81.4	83.6	93.4	98.1	102.7	101.8	96.8	92.6	92.3	....

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	90.3	94.1	89.0	86.0	90.8	96.8	104.0	97.3	100.9	88.7	82.0	83.3
10	88.2	93.7	85.4	88.0	93.1	102.1	105.9	97.4	103.4	86.9	85.4	83.5
15	....	93.2	86.4	88.7	92.1	107.2	100.9	99.3	98.5	85.2	86.2	79.6
20	....	92.6	81.6	92.5	e87.3	102.2	100.0	98.4	97.0	e84.0	85.1	79.8
25	....	90.7	e84.4	93.6	83.3	101.8	97.1	99.1	94.9	82.4	83.7	78.6
Eom	....	90.4	85.1	91.4	88.3	100.6	97.4	98.3	93.1	80.6	81.9	76.9

e Estimated.

Mtg-3. U.S. Geol. Survey. Montgomery. Lomax School. On Old Hayneville Rd. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 16 N., R. 17 E. Drilled observation artesian well in sand of Eutaw formation, diam 6 to 4 in, depth 271 ft, cased to 271, screened 210-215, 220-225, 265-270. Lsd 167.20 ft above msl. MP top of 6-in casing, 1.00 ft above lsd. Highest water level 15.57 below lsd, Mar. 25, 1958; lowest 31.32 below lsd, Oct. 1, 1955. Records available: 1952-58. Affected by nearby wells being pumped.

Day	Lowest water level for the day, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.23	27.46	26.92	23.22	24.20	28.12	28.04	....	27.67	....	....	25.34
10	27.48	27.37	27.04	22.65	23.85	28.83	26.81	28.96	27.41	....	25.62	25.32
15	27.81	27.18	26.70	22.64	24.92	28.31	....	....	27.82	....	25.51	25.23
20	....	27.21	25.97	22.83	26.42	....	....	29.21	28.14	....	25.52	25.05
25	27.75	27.22	....	22.87	27.61	....	....	29.19	....	....	25.39	....
Eom	27.77	27.23	....	23.58	28.04	28.15	27.10	28.59	27.12	....	25.32	23.39

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	23.20	22.29	22.07	20.20	....	21.27	21.69	24.65	25.30	22.53	22.22	21.96
10	23.10	22.07	21.80	19.54	....	21.52	23.07	24.98	24.65	22.46	22.17	21.40
15	23.14	22.05	21.65	19.05	18.65	22.75	23.86	....	23.52	22.48	21.89	20.28
20	23.26	22.04	21.46	19.13	18.76	23.18	23.61	25.03	23.58	22.90	21.66	19.78
25	23.16	21.91	21.33	19.80	20.01	23.15	23.41	24.91	23.46	22.55	21.69	20.05
Eom	22.88	22.06	21.27	20.57	20.74	22.25	24.06	24.79	22.93	22.32	22.39	....

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	20.11	20.26	19.56	16.91	18.42	20.70	21.73	22.0	23.9	21.3	20.9	21.6
10	20.40	19.32	....	17.39	17.95	21.75	21.71	22.5	24.4	21.1	21.5	21.7
15	20.62	19.06	....	17.66	18.10	22.84	21.63	22.9	23.2	21.0	21.9	21.1
20	20.73	19.71	....	18.44	e17.86	22.03	....	22.7	23.0	e20.9	21.8	21.2
25	20.53	19.60	15.61	18.90	17.75	21.63	21.6	23.3	22.3	20.8	21.4	21.0
Eom	20.15	19.70	16.57	18.55	18.70	21.63	21.5	23.2	21.9	20.6	21.2	20.7

e Estimated.

Mtg-4. City of Montgomery. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 20, T. 16 N., R. 17 E. Drilled observation artesian well in sand of Tuscaloosa group, diam 6 in, depth 446 ft. Lsd 152.8 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 52.6 below lsd, Mar. 2, 1953; lowest 135.1 below lsd, Oct. 2-3, 1955. Records available: 1953-58. Affected by nearby wells being pumped.

Day	Lowest water level for the day, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	107.6	109.1	102.2	72.7	78.7	107.7	....	111.6	109.3	....	85.0	76.8
10	113.7	108.3	106.4	68.2	74.6	111.7	100.4	....	107.4	....	83.4	76.0
15	113.0	109.1	105.8	66.1	....	108.1	108.0	....	107.2	....	81.8	75.1
20	109.7	106.5	103.5	64.8	....	106.4	110.4	....	....	....	80.4	74.6
25	110.5	....	....	....	101.8	103.7	109.8	....	....	91.2	78.8	72.9
Eom	109.7	107.2	....	....	....	106.1	110.9	112.7	....	87.1	77.8	72.2

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	71.4	68.5	65.4	66.6	72.5	88.3	98.9	104.7	103.0	97.8	....	100.3
10	70.8	68.5	65.0	....	78.2	91.0	100.9	103.8	101.4	96.9	....	94.5
15	70.3	68.2	64.5	....	78.6	93.3	103.7	....	101.9	96.6	....	99.1
20	70.3	67.3	64.1	66.0	80.6	....	104.4	....	103.5	95.3	....	87.1
25	69.7	66.2	63.5	....	84.0	97.5	104.6	103.5	103.0	94.5	....	94.7
Eom	69.2	65.8	64.3	76.2	85.9	98.8	104.8	101.9	99.6	88.8	90.3	....

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

Mtg-4--Continued.

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	94.1	91.8	87.9	88.6	91.3	99.7	113.8	97.9	....	....	74.7	74.8
10	91.0	92.1	82.9	89.5	94.6	109.9	115.1	101.3	....	87.0	76.9	74.8
15	90.5	91.6	82.3	90.1	93.7	116.4	112.7	103.1	....	83.7	78.9	e72.1
20	91.3	94.0	....	93.3	....	....	....	99.6	....	104.9	78.6	e72.1
25	91.5	91.2	85.6	93.6	....	110.5	107.7	105.4	....	78.5	76.6	70.6
Eom	91.7	91.0	88.2	92.1	86.6	107.7	104.8	103.1	....	75.7	e74.2	68.9

e Estimated.

Mtg-5. U. S. Air Force. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 35, T. 17 N., R. 18 E. Drilled observation artesian well in sand of Gordo formation, diam 8 in, depth 232 ft, cased to 215, screened 215-232. Lsd 220.8 ft above msl. MP top of casing, 1.80 ft above lsd. Highest water level 105.25 below lsd, May 26, 1958; lowest 112.38 below lsd, May 6, 1957. Records available: 1957-58. May 6, 1957, 112.38.

Lowest water level for the day, from recorder graph, 1958													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
5	....	108.30	107.57	106.49	105.85	105.87	107.52	108.23	108.99	....	110.01	110.42
10	....	108.12	107.11	106.51	105.62	106.05	107.65	108.44	109.34	109.97	110.03	110.40
15	....	108.00	107.00	106.44	105.55	106.36	107.70	108.52	109.61	111.00	110.22	....
20	....	....	106.94	106.31	105.36	106.73	107.76	108.55	....	109.98	110.38	....
25	108.23	107.81	106.21	105.29	105.79	107.12	107.97	108.71	110.08	110.48	109.91
Eom	108.29	107.62	106.56	106.08	105.44	107.49	108.20	108.86	....	110.16	110.53	109.72

Morgan County

Mor-1. Jack Pitts. Pitts Motel on U. S. Highway 31. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 6 S., R. 4 W. Drilled unused artesian well in Tuscmibia limestone, diam 6 in, depth 228 ft. Lsd 588 ft above msl. MP top of casing, 1.40 ft above lsd. Highest water level 7.6 below lsd, Dec. 5, 1957; lowest 31.0 below lsd, Oct. 20, 1958. Records available: 1954-58. Affected by nearby wells being pumped.

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	....	13.77	10.57	13.35	22.44	24.55	25.59	27.24	....	26.81	27.23
10	....	....	14.41	9.85	13.12	23.18	24.80	27.90	25.67	26.87	26.31	27.78
15	....	10.76	14.75	11.49	114.38	21.50	23.98	e27.70	27.32	28.68	28.00	17.65
20	....	....	13.03	12.30	....	24.48	23.45	26.67	....	29.11	27.29	12.24
25	....	....	12.87	11.52	17.03	24.53	23.21	25.91	....	28.39	27.04	11.01
Eom	....	....	13.41	10.96	21.32	25.21	24.11	26.56	....	26.80	26.92	11.52
1957												
5	13.8	11.4	....	15.8	21.7	....	24.1	29.4	30.6	....	28.5	8.1
10	13.3	10.6	....	20.4	....	....	24.6	29.8	....	....	22.5	11.9
15	15.1	12.2	....	....	....	....	25.4	29.6	28.1	25.1	13.9	9.5
20	15.6	12.5	....	....	....	....	26.1	30.8	26.7	27.2	13.4	15.0
25	16.2	13.1	....	....	....	....	27.5	28.3	23.2	26.7	11.4	16.7
Eom	11.7	13.7	16.3	....	....	....	28.0	28.9	....	29.2	13.2	16.7

e Estimated.

h Tape measurement.

Talladega County

Tal-2. City of Sylacauga. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 21 S., R. 4 E. Drilled observation artesian well in marble, diam 6 to 3 in, depth 202 ft, cased to 69. Lsd 546.4 ft above msl. MP top of 6-in casing, 0.50 ft above lsd. Highest water level 12.1 below lsd, Apr. 5, 1958; lowest 49.33 below lsd, Jan. 6, 1956. Records available: 1954-58. Replaces well Tal-1.

ALABAMA, TUSCALOOSA COUNTY

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Tal-2--Continued.

Lowest water level for the day, from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	44.75	45.20
10	43.30	44.70	45.52	
15	43.60	45.00	46.52	
20	44.10	45.50	45.75	
25	44.35	45.90	45.65	
Eom	43.60	45.55	43.50	

1955

5	42.55	42.12	31.70	18.75	.....	18.10	24.85	24.10	40.20	47.35	.....	45.00
10	43.80	35.45	.....	16.22	13.25	18.75	25.52	25.60	42.60	47.91	47.10	46.98
15	42.42	36.95	.....	13.65	.....	17.10	25.60	27.55	44.25	48.70	46.85	48.20
20	39.10	32.55	21.70	.....	.....	18.55	27.00	39.25	45.45	48.35	47.60	48.17
25	40.05	30.20	19.70	.....	.....	20.85	20.45	40.45	46.65	48.80	46.20	48.10
Eom	41.55	30.10	21.45	.....	16.80	22.38	21.55	38.45	47.45	48.75	45.65	48.65

1956

5	49.30	32.70	25.50	20.10	23.70	33.25	37.04	38.00	35.05	37.86	43.12	43.12
10	48.57	28.60	47.18	18.40	24.77	34.94	.....	39.65	36.31	39.41	41.50	45.75
15	48.00	28.81	.....	18.92	26.18	33.16	37.40	39.93	37.21	40.44	42.55	45.21
20	44.75	24.98	19.38	20.90	28.20	34.80	36.94	39.37	39.40	40.75	42.25	45.78
25	.....	20.58	22.03	29.75	35.41	37.77	38.75	40.70	42.03	41.60	38.20	
Eom	44.40	26.87	19.00	23.45	31.80	37.14	37.99	31.91	40.41	42.63	.....	38.90

1957

5	40.85	.....	36.75	20.40	24.30	.....	27.2	35.6	.....	35.0	43.5	28.8
10	41.61	33.75	.....	21.81	27.01	.....	29.4	37.0	40.9	37.1	42.0	26.3
15	42.38	35.42	36.85	23.16	21.80	.....	31.0	38.0	40.8	39.1	39.3	.....
20	42.89	36.24	37.32	23.54	22.96	.....	31.6	37.5	41.4	39.5	36.4	26.6
25	42.60	37.72	28.00	25.48	25.6	27.7	33.3	37.7	43.1	41.4	29.3	25.9
Eom	.....	36.30	28.52	.....	.....	28.4	34.3	39.6	34.4	42.3	27.6	26.4

1958

5	.....	21.3	12.7	15.8	26.5	.....	21.0	27.6	21.2	.....	26.3	
10	.....	15.9	.....	16.7	25.5	.....	21.1	25.5	22.6	.....	27.2	
15	.....	15.2	.....	17.5	26.6	.....	22.4	23.2	23.6	.....	
20	.....	14.6	.....	18.5	.....	.....	22.3	24.4	24.5	.....	
25	.....	14.0	18.8	19.5	.....	19.5	22.5	23.6	.....	28.5	25.0	
Eom	28.4	25.4	....	15.2	20.4	....	21.0	23.1	....	25.2	24.6	

Tuscaloosa County

Tus-1. University of Alabama. North end of Smith Hall. NE^{1/4}NE^{1/4} sec. 23, T. 21 S., R. 10 W. Drilled observation water-table well in sand and gravel of Coker formation (previously reported as Tuscaloosa group), diam 4 to 2 in, depth 56 ft, cased to 56, screened 50-56. Lsd 230.1 ft above msl. MP top of 4-in casing, 1.00 ft above lsd. Highest water level 23.29 below lsd, May 22, 1958; lowest 27.86 below lsd, Jan. 10-11, 13, 1955. Records available: 1954-58. For additional measurements, see Miller and Causey (1958).

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.03	27.18	25.97	25.10	23.96	24.38	24.73	24.83	25.31	25.82	.....	26.52
10	27.08	26.93	25.86	24.81	23.96	24.45	24.73	24.90	25.40	25.89	26.26	.....
15	27.12	26.73	25.77	24.55	24.02	24.48	24.74	24.96	25.50	25.96	.....	26.64
20	27.18	26.56	25.61	24.32	24.08	24.56	24.76	25.01	25.57	25.99	26.35	.....
25	27.21	26.31	25.36	24.12	24.18	24.65	24.80	.....	25.65	26.09	26.41	.....
Eom	27.26	26.13	25.16	24.02	24.28	24.71	24.81	25.34	25.72	26.17	26.44	.....

1957

5	26.64	26.43	25.87	25.49	25.00	25.18	25.57	25.74	26.14	e26.07	25.79	25.48
10	26.70	.....	25.28	24.97	25.26	25.62	25.78	26.21	25.89	e25.82	25.38	
15	26.65	26.68	.....	25.21	24.98	25.41	25.68	25.87	26.30	25.79	25.91	25.30
20	.....	26.00	25.65	25.10	24.99	25.45	25.68	25.90	26.31	25.74	25.84	25.24
25	h26.32	25.91	25.65	25.03	25.05	25.47	25.71	25.97	26.30	25.72	25.69	25.11
Eom	26.37	25.92	25.47	24.98	25.12	e25.54	25.75	26.06	e26.24	25.72	25.59	25.07

1958

5	.....	24.88	24.41	23.76	23.64	23.53	23.95	.....	.....	24.67	25.07	25.38
10	.....	24.78	24.33	23.73	23.47	23.63	23.97	.....	.....	24.72	25.12	25.39
15	.....	24.73	24.17	23.76	23.39	23.71	23.99	.....	.....	24.76	25.19	25.44
20	24.94	24.61	e24.08	23.75	23.35	23.76	24.00	.....	.....	24.83	25.24	25.51
25	24.94	24.50	23.96	23.90	23.35	23.83	23.93	.....	.....	24.90	25.28	25.54
Eom	24.98	24.50	23.87	23.90	23.42	23.88	.....	.....	24.97	.....	25.60	

e Estimated.

h Tape measurement.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

Tus-2. B. F. Goodrich Tire & Rubber Co. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, T. 21 S., R. 10 W. Drilled observation water-table (previously reported as artesian) well in sand and gravel of Quaternary age, diam 6 to 5 in, depth 72 ft, cased to 72, screened 58-71. Lsd 161 ft above msl. MP top of 6-in casing, 2.00 ft above lsd. Highest water level 15.87 below lsd, May 11, 1958; lowest 22.54 below lsd, Jan. 30, 1956. Records available: 1955-58. For additional measurements, see Miller and Causey (1958).

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	22.29	22.13	19.91	18.71	17.31	17.57	....	18.58	....	....	....	....
10	22.34	21.45	19.82	17.74	17.50	17.79	18.11	....	19.69	....	....	....
15	22.34	21.05	19.87	17.36	17.64	17.90	18.18	....	....	20.72	21.05	....
20	22.49	20.63	19.00	17.20	17.82	17.99	18.26	....	....	20.51	....	21.10
25	22.51	20.18	18.74	17.27	17.97	18.13	18.34	....	....	20.56	....	20.99
Eom	22.53	....	18.65	17.53	17.41	18.21	18.48	....	....	....	....	20.61

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	21.67	20.65	19.54	18.73	....	....	19.78	20.36	21.03	20.93	20.79	19.37
10	21.59	20.07	19.50	18.25	18.51	....	19.83	20.45	21.12	20.69	20.91	19.20
15	21.40	19.87	19.49	18.18	18.59	....	19.95	20.61	21.20	20.64	20.62	19.00
20	21.38	19.71	19.42	18.24	18.59	....	20.04	20.70	21.25	20.66	20.36	19.09
25	21.32	19.66	19.24	....	....	19.59	20.18	20.80	21.32	20.64	19.92	18.89
Eom	21.05	19.66	19.12	....	....	19.71	20.28	20.90	21.21	20.63	19.62	18.92

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	18.48	17.78	16.48	16.46	17.26	18.15	17.15	....	18.07	....	....
10	....	18.22	17.38	16.88	15.95	17.44	18.14	17.41	....	18.12	....	....
15	....	17.93	17.09	16.89	16.12	17.65	17.80	....	....	18.26	....	....
20	18.97	17.78	e16.86	17.04	16.33	17.76	17.69	....	....	18.34	....	....
25	18.73	17.59	16.70	17.34	16.55	17.89	17.46	....	....	18.51	....	....
Eom	18.50	17.86	16.54	17.38	16.93	18.01	17.09	....	....	18.63	....	....

e Estimated.

Tus-3. U.S. Geol. Survey. Ralph School. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 22, T. 24 N., R. 3 E. Drilled observation flowing artesian well in sand of Coker formation, diam 4 to 2 in, depth 598 ft, cased to 598, slotted 532-576. Lsd 274.0 ft above msl. MP top of $\frac{1}{4}$ -in pipe, 2.80 ft above lsd. Highest water level 23.8 above lsd, Apr. 16, 1955; lowest 18.0 above lsd, Feb. 22, 1957. Records available: 1954-58. Affected by nearby wells being pumped.

Lowest water level for the day, above lsd, from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+21.3	+21.3	+21.3	....	+20.8
10	21.3	21.3	21.3	+20.8	20.8
15	21.3	21.3	21.3	20.8	20.8
20	21.3	21.3	20.8	20.8	20.8
25	21.3	21.3	20.8	20.8	20.8
Eom	+21.3	21.3	21.3	20.8	20.8	20.8

1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+21.3	+21.3	+21.8	+21.8	+22.3	....	+21.3	+21.8	....	....	....	....
10	20.8	21.8	21.8	21.8	22.3	....	21.3	21.8	+21.8	....	....	....
15	21.3	21.8	21.3	21.8	22.3	+21.3	....	22.3	21.8	....	....	....
20	21.3	21.8	21.3	22.8	22.8	21.3	21.3	22.3	....	....	....	....
25	21.3	21.8	21.3	21.8	22.3	21.3	....	22.3	....	....	....	....
Eom	21.3	21.8	....	21.8	....	21.3	22.3	....	....	....	....	....

1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	+21.8	+21.8	+21.3	....	....	....	+21.8	+21.3	....	....	+21.3
10	....	20.8	21.3	21.5	....	....	....	21.3	21.3	+21.3	+21.0	21.3
15	....	21.8	21.3	....	....	....	....	21.8	21.3	21.3	21.3	21.3
20	....	21.3	....	....	....	....	+22.3	21.3	21.3	21.3	21.3	21.3
25	+20.8	21.8	....	....	....	....	22.0	....	....	....	21.3	....
Eom	20.8	21.3	21.3	....	....	....	21.8	21.8	....	....	21.3	21.3

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	+18.2	+18.7	+19.2	+e19.0	....	....	+19.7	+19.5	+19.8	+19.9	+20.0
10	....	18.7	19.2	18.7	....	....	....	19.7	19.5	19.9	....	20.1
15	18.5	19.0	19.0	19.0	19.0	+19.0	....	19.8	19.8	19.8	....	e20.0
20	18.7	19.0	19.2	....	....	18.7	+19.8	19.6	19.9	19.8	....	20.4
25	18.5	18.7	19.0	....	....	....	19.8	19.6	19.7	19.9	....	20.2
Eom	+19.0	18.7	19.0	19.0	....	....	19.8	....	19.9	19.9	....	20.2

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+23.3	....	....	....	....
10
15
20	+22.0	....	....	....	....	....	....	....	....	....
25	+23.4	....	....	....	+22.8	....
Eom	+23.4	....	....	....	....	....	....

e Estimated.

Wilcox County

Wil-1. City of Camden, NE₄¹NE₄¹ sec. 29, T. 12 N., R. 8 E. Drilled unused artesian well in sand of Ripley formation, diam 4 in, depth 400 ft, cased to 395. Lsd 165 ft above msl. MIP top of casing, at lsd. Highest water level 68.1 below lsd, Apr. 27, 1953; lowest 165.0 below lsd, Oct. 1, 1956. Records available: 1953-58. Affected by nearby wells being pumped. For additional measurements, see LaMoreaux (1957).

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	82.4	83.0	80.0	108.6	110.7	146.7	104.0	131.4	133.7	116.9	130.8	....
10	84.5	82.5	102.3	84.3	115.9	....	110.0	130.4	159.9	126.1	130.1	....
15	81.9	81.6	80.8	82.3	....	104.8	131.0	142.5	128.1	....	....	....
20	81.2	79.3	81.3	99.3	....	118.7	133.7	136.9	142.3	134.1	....	....
25	80.1	79.1	80.6	82.3	....	116.1	134.8	131.5	154.6	....	....	....
Eom	80.6	78.8	81.1	e103.0	120.6	93.4	141.0	131.9	163.8	....	....	....

1957												
	5	82.2	....	....	....	115.1	132.3	92.8	107.0
10	92.2	....	....	....	134.0	119.9	88.7	89.5
15	95.7	....	h95.0	....	132.6	119.0	102.9	86.5
20	91.0	91.6	....	137.9	132.4	....	91.5	87.5
25	88.7	....	....	136.9	122.7	....	89.4	83.9
Eom	84.1	....	....	138.8	....	....	99.1	81.3

1958												
	5	82.3	83.0	90.0	....	80.0	121.6	....	....	....	....	....
10	81.1	....	94.9	....	....	79.2	115.6	....	....	....	....	....
15	92.5	85.5	90.4	....	....	107.0	119.0	....	....	....	....	....
20	85.1	82.2	83.7	....	....	96.8	122.6	....	....	....	....	....
25	83.2	85.5	82.1	101.7	100.2	122.0	115.0
Eom	88.0	86.5	79.7	109.3	134.1	127.1

e Estimated.

h Tape measurement.

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FLORIDA

By C. F. Essig, Jr., L. R. Mills, and C. B. Sherwood

The observation-well program in Florida begun in 1930 was continued during 1956-58 in cooperation with the Florida State Geological Survey, the Central and Southern Florida Flood Control District, the counties of Collier, Columbia, Dade, Hillsborough, Pinellas, and Polk, and the cities of Fort Lauderdale, Miami, Miami Beach, Naples, and Pensacola. Figure 3 shows the location of observation wells included in this report.

Well-Numbering System

Observation wells in Florida are generally numbered serially by counties. Exceptions to this are wells having numbers with a letter prefix or suffix. In Broward and Dade Counties, the letter prefixes G, S, and F denote U. S. Geological Survey wells, supply wells, and fire wells, respectively. In Escambia, Orange, and Polk Counties, a letter suffix denotes a shallow well near a deeper well having the corresponding number without the letter suffix.

Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum unless otherwise indicated.

Bay County

7. Panama City. Clay and 11th Sts., St. Andrew. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 4 S., R. 15 W. Drilled unused artesian well in Floridan aquifer, diam 3 in, depth 356 ft. Lsd 26.3 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 36.6 below lsd, Aug. 20, 1936; lowest 68.25 below lsd, June 30, 1955. Records available: 1936, 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	62.84	Nov. 29, 1956	60.85	Aug. 14, 1957	64.47	May 14, 1958	61.36
Mar. 14	60.35	Jan. 17, 1957	59.50	Oct. 10	62.80	June 26	63.96
Apr. 25	59.76	Feb. 25	59.59	Nov. 22	60.83	Aug. 7	64.76
June 14	64.69	Apr. 9	58.72	Jan. 9, 1958	59.48	Sept. 25	66.42
July 25	63.84	May 29	65.11	Feb. 14	58.25	Nov. 6	67.30
Sept. 6	63.88	July 3	65.26	Mar. 26	57.91	Dec. 19	67.19
Oct. 9	61.20						

8. St. Joe Paper Co. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 2 S., R. 14 W. Drilled unused artesian well in Floridan aquifer, diam 6 in, depth 435 ft, cased to 300. Lsd 4 ft above msl. MP top of casing, at lsd. Highest water level 2.64 above lsd, Oct. 25, 1949; lowest 0.70 above lsd, Dec. 1, 1954. Records available: 1936, 1947-58.

Mar. 14, 1956	+1.80	Nov. 29, 1956	+1.31	Aug. 14, 1957	+1.75	May 14, 1958	+1.60
Apr. 25	1.45	Jan. 17, 1957	.91	Oct. 10	1.90	June 26	1.78
June 14	1.30	Feb. 26	1.30	Nov. 22	1.65	Aug. 7	1.45
July 25	1.75	Apr. 9	1.55	Jan. 9, 1958	1.62	Sept. 25	1.50
Sept. 6	1.45	May 29	1.40	Feb. 14	1.70	Nov. 6	1.20
Oct. 9	1.68	July 3	1.93	Mar. 26	2.31	Dec. 19	1.18

10. L. R. Pierson. NW $\frac{1}{4}$ SE $\frac{1}{4}$ (previously reported as NE $\frac{1}{4}$ NE $\frac{1}{4}$) sec. 11, T. 3 S., R. 14 W. Drilled domestic artesian well in Floridan aquifer, diam 8 in, depth 300 ft. Lsd 25.74 ft above msl. MP top of casing, 0.47 ft above lsd. Highest water level 5.53 below lsd, Aug. 20, 1936; lowest 10.25 below lsd, Sept. 9, 1954. Records available: 1936, 1946-58.

Jan. 31, 1956	7.56	Nov. 29, 1956	8.66	Aug. 14, 1957	7.21	May 14, 1958	7.53
Mar. 14	7.23	Jan. 17, 1957	9.15	Oct. 10	6.74	June 26	6.93
Apr. 25	8.82	Feb. 26	9.49	Nov. 22	7.24	Aug. 7	7.28
June 14	8.67	Apr. 9	7.85	Jan. 9, 1958	6.95	Sept. 25	7.62
July 25	7.27	May 29	9.53	Feb. 14	7.17	Nov. 6	7.89
Sept. 6	7.93	July 3	7.31	Mar. 26	6.71	Dec. 19	7.83
Oct. 9	7.59						

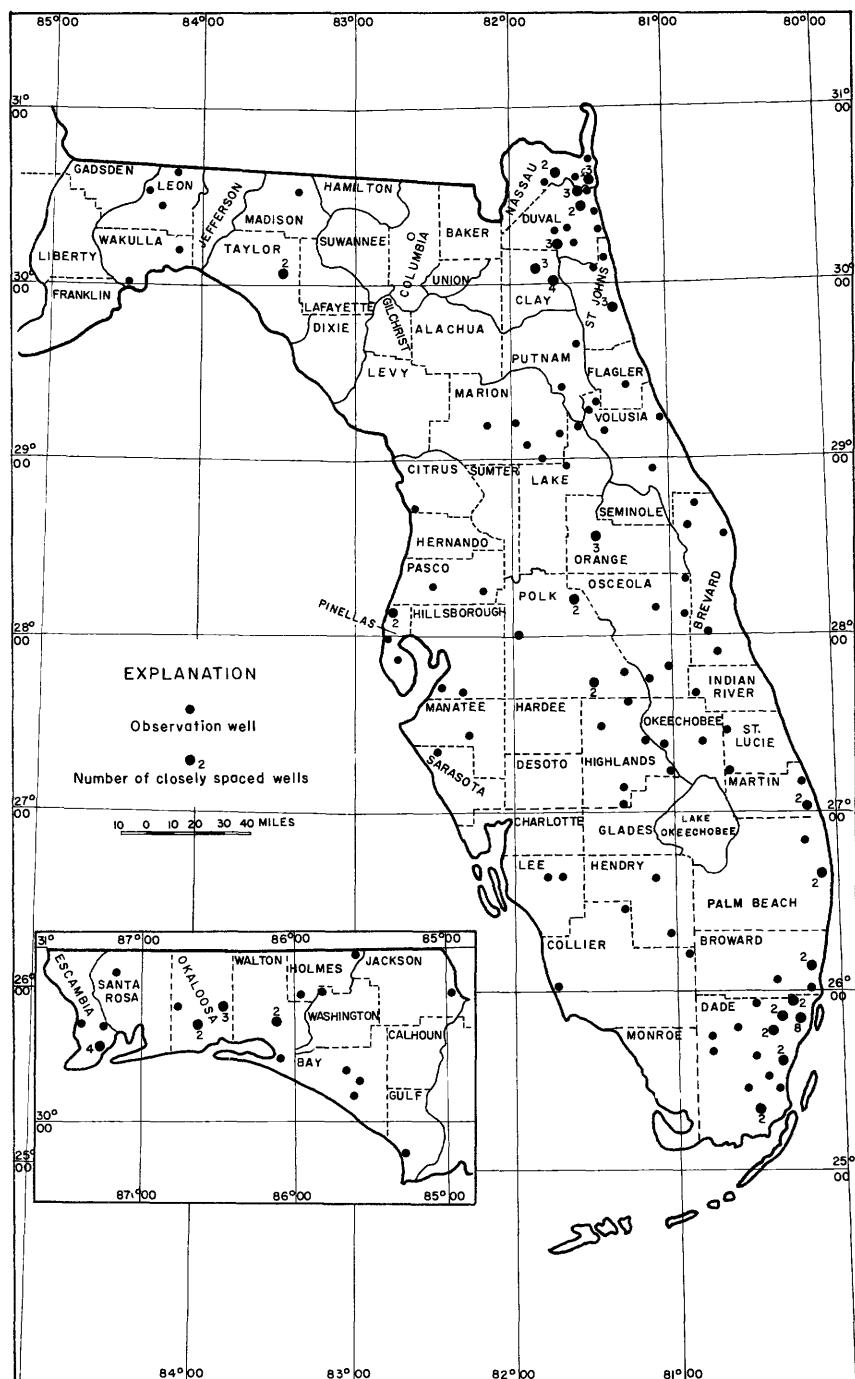


Figure 3.--Location of observation wells in Florida, 1956-58.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

Brevard County

19. R. M. Wall. NE₄¹NE₄¹ sec. 6, T. 28 S., R. 36 E. Drilled domestic artesian well in Floridan aquifer, diam 2 in, reported depth 413 ft, cased to 80. Lsd 19.04 ft above msl. MP top of 2-in tee, 1.00 ft above lsd. Highest water level 30.0 above lsd, Oct. 15, 1949; lowest 20.2 above lsd, May 21, 1956. Records available: 1934, 1946-58.

Date	Water level						
Jan. 20, 1956	+24.5	Nov. 5, 1956	+26.5	July 22, 1957	+25.5	Mar. 10, 1958	+25.5
Mar. 2	24.6	27	25.5	Aug. 7	25.9	May 16	24.7
Apr. 3	25.3	Dec. 26	24.5	Sept. 19	25.6	July 2	22.9
May 21	20.2	Jan. 31, 1957	24.0	Oct. 16	27.0	Aug. 20	24.4
July 5	23.0	Feb. 28	22.9	Nov. 12	25.9	Oct. 8	24.7
Aug. 24	24.0	Apr. 3	25.0	Dec. 2	25.4	Nov. 18	23.4
Sept. 7	24.0	29	22.3	Jan. 8, 1958	25.5	Dec. 30	24.5
Oct. 3	25.25	May 31	25.1	Feb. 6	24.9		

20. Marion Platt. NE₄¹NW₄¹ sec. 4, T. 29 S., R. 36 E. Drilled irrigation artesian well in Floridan aquifer, diam 4 in, reported depth 447 ft, cased to 125. Lsd 23 ft above msl. MP top of 4-in tee, 1.00 ft above lsd. Highest water level 28.7 above lsd, May 12, 1947; lowest 20.9 above lsd, Jan. 31, 1957. Records available: 1934, 1942, 1946-58.

Jan. 20, 1956	+22.8	Nov. 5, 1956	+24.0	July 3, 1957	+23.7	Mar. 10, 1958	+24.3
Mar. 2	22.2	27	23.5	Aug. 7	23.9	May 14	23.4
Apr. 3	22.5	Dec. 26	22.5	Sept. 19	24.7	July 2	22.1
May 21	21.0	Jan. 31, 1957	20.9	Oct. 16	25.0	Aug. 20	23.3
July 5	21.75	Feb. 27	22.5	Nov. 12	23.6	Oct. 8	23.5
Aug. 24	22.0	Apr. 3	23.0	Dec. 3	23.4	Nov. 18	23.2
Sept. 7	22.5	29	22.9	Jan. 8, 1958	23.8	Dec. 30	23.4
Oct. 3	23.0	May 31	23.3	Feb. 6	23.7		

79. Nevins Fruit Co. NE₄¹NW₄¹ Delspine Grant, T. 20 S., R. 35 E. Drilled irrigation artesian well in Floridan aquifer, diam 4 in, reported depth 160 ft, cased to 85. Lsd 8.98 ft above msl. MP top of 4-in ell, 0.70 ft above lsd. Highest water level 6.7 above lsd, Aug. 29, 1946; lowest 0.14 above lsd, May 20, 1956. Records available: 1946-58.

Jan. 3, 1956	+2.46	Oct. 4, 1956	+2.30	June 2, 1957	+2.75	Feb. 4, 1958	+3.68
21	2.32	Nov. 6	3.37	July 5	1.78	Mar. 10	4.23
Feb. 2	2.38	27	3.10	Aug. 8	3.15	May 13	3.70
Mar. 3	2.33	Dec. 27	2.20	Sept. 20	4.55	July 2	3.05
May 20	.14	Jan. 31, 1957	1.94	Oct. 18	3.94	Aug. 20	3.30
June 28	.78	Feb. 28	1.65	Nov. 13	3.70	Oct. 7	2.80
Aug. 7	1.66	Apr. 1	1.92	Dec. 3	3.37	Nov. 18	3.00
Sept. 4	1.20	29	.70	Jan. 18, 1958	3.13	Dec. 29	3.65

148. W. P. Warren. NE₄¹NE₄¹ sec. 31, T. 24 S., R. 36 E. Drilled irrigation artesian well in Floridan aquifer, diam 4 in, reported depth 206 ft, cased to 105. Lsd 19.49 ft above msl. MP top of 4-in tee, 1.30 ft above lsd. Highest water level 13.1 above lsd, Sept. 16, 1947; lowest 5.7 above lsd, May 20, 1956. Records available: 1946-58.

Jan. 20, 1956	+8.7	Nov. 7, 1956	+9.55	July 8, 1957	+8.5	Feb. 7, 1958	+10.3
Mar. 3	b7.8	28	9.0	Aug. 9	10.1	Mar. 10	10.6
Apr. 2	11.1	Dec. 28	8.3	Sept. 24	10.8	May 14	9.2
May 20	5.7	Feb. 1, 1957	7.0	Oct. 18	11.2	July 2	8.4
July 2	6.04	Mar. 1	8.3	Nov. 13	10.3	Aug. 20	8.9
Aug. 10	b5.8	Apr. 2	8.5	Dec. 5	9.3	Nov. 18	9.3
Sept. 10	7.3	30	8.3	Jan. 13, 1958	10.0	Dec. 29	10.0
Oct. 5	8.05	May 31	8.5				

b Well pumped recently.

159. H. R. Jacobsen. NW₄¹NW₄¹ sec. 19, T. 22 S., R. 37 E. Drilled irrigation artesian well in Floridan aquifer, diam 6 in, depth 210 ft, cased to 144. Lsd 3.77 ft above msl. MP top of 6-in tee, 1.70 ft above lsd. Highest water level 17.2 above lsd, Dec. 14, 1946; lowest 8.2 above lsd, May 16, 1958. Records available: 1946-47, 1949-58.

Apr. 2, 1956	+16.7	Dec. 27, 1956	+12.2	Aug. 8, 1957	+13.7	Mar. 10, 1958	+13.7
May 20	11.2	Jan. 31, 1957	10.9	Sept. 20	13.9	May 16	8.2
June 28	10.7	Feb. 28	12.3	Oct. 16	14.6	July 2	11.5
Aug. 7	10.8	Apr. 1	12.7	Nov. 13	13.8	Aug. 20	13.3
Sept. 5	11.6	29	12.7	Dec. 3	13.3	Oct. 7	13.0
Oct. 4	11.95	June 2	12.8	Jan. 9, 1958	12.7	Nov. 18	12.9
Nov. 6	13.7	July 5	12.8	Feb. 4	12.7	Dec. 29	13.5
27	13.2						

Broward County

F291. City of Hollywood. South 20th Ave. and Dewey St. NW¹₄NW¹₄ sec. 22, T. 51 S., R. 42 E. Drilled unused water-table well in limestone of Biscayne aquifer, diam 6 in, depth 107 ft. Lsd 9.16 ft above msl. MP top of casing, 1.90 ft above lsd. Highest water level 7.26 above msl, Oct. 5, 1948; lowest 0.16 above msl, July 2, 1952. Records available: 1939-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.03	+1.74	+1.11	+0.71	+0.54	+1.20	+1.32	+1.14	+2.40	+1.90	+2.26	+1.63
10	1.85	1.57	1.02	.97	.93	1.32	1.34	1.05	2.60	1.85	2.14	1.50
15	1.80	1.49	.89	1.02	1.05	1.33	1.59	.89	2.44	2.87	2.03	1.38
20	1.68	1.39	.82	.90	1.22	1.18	1.69	2.01	2.53	2.74	1.88	1.29
25	2.19	1.32	.83	.76	1.11	1.20	1.45	2.25	2.34	2.46	1.84	1.21
Eom	1.94	1.24	.80	.65	1.15	1.12	1.33	2.12	2.07	2.29	1.75	1.09

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.01	+0.75	+1.94	+1.50	+2.55	+1.64	+1.77	+2.57	+2.52	+3.28	+2.12	+2.13
10	.95	.72	2.00	1.70	2.28	1.63	1.63	2.41	2.15	3.14	2.05	2.02
15	.90	.75	1.82	2.28	2.20	1.55	2.20	2.14	2.26	3.12	2.01	1.90
20	.93	1.00	1.91	3.60	2.05	1.54	2.08	2.08	2.19	2.76	2.22	1.80
25	.87	1.49	1.85	2.85	1.85	1.50	2.17	2.87	2.00	2.47	2.55	2.01
Eom	.78	1.92	1.65	2.72	1.69	1.68	2.26	2.70	2.65	2.23	2.44	2.03

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+3.47	+2.00	+1.62	+2.13	+1.35	+3.10	+2.60	+1.37	+2.16	+2.57	+2.07	+1.83
10	3.08	1.94	1.63	1.90	1.37	2.58	2.18	1.67	2.03	2.35	2.11	1.92
15	2.66	1.80	1.74	1.69	2.46	2.33	1.88	1.48	2.28	2.07	1.94	2.10
20	2.36	1.68	1.65	1.57	2.12	1.98	1.66	1.38	1.99	2.36	1.81	2.96
25	2.55	1.62	1.81	1.40	4.27	2.33	1.52	1.32	1.78	2.20	1.77	2.40
Eom	2.23	1.64	2.49	1.29	3.81	2.48	1.32	1.48	1.73	2.20	1.88	3.88

G561. U. S. Geol. Survey. Southeast 4th Ave. and 20th St., Fort Lauderdale. SE¹₄SE¹₄ sec. 15, T. 50 S., R. 42 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in, depth 20 ft, cased to 20. Lsd 8.15 ft above msl. MP top of casing, 1.70 ft above lsd. Highest water level 7.40 above msl, Oct. 5, 1948; lowest 0.05 above msl, July 2, 1952. Records available: 1948-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.38	+0.83	+0.41	+0.40	+0.26	+0.90	+0.72	+0.77	+1.75	+1.74	+2.16	+1.08
10	1.35	.61	.35	1.29	1.28	1.22	.77	.67	2.65	1.48	1.93	.88
15	1.38	.68	.26	1.03	1.10	1.18	1.17	.63	2.21	2.83	1.72	.69
20	1.15	.63	.34	.73	1.04	.85	1.38	1.02	1.93	2.51	1.58	.59
25	1.44	.68	.56	.53	1.00	.71	.99	2.10	1.75	2.16	1.48	.51
Eom	1.08	.54	.50	.41	1.04	.69	.88	1.54	1.56	2.09	1.29	.41

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+0.39	+0.38	+1.83	+0.98	+2.35	+1.45	+1.55	+2.32	+2.70	+3.60	+2.08	+1.55
10	.35	.43	1.56	2.35	2.02	1.30	1.35	2.08	2.19	3.85	1.94	1.51
15	.38	.57	1.46	2.74	2.13	1.24	1.70	1.83	2.23	3.36	1.90	1.37
20	.55	1.00	1.33	4.15	1.93	1.15	1.45	2.32	2.03	e2.90	1.80	1.27
25	.45	2.00	1.40	2.86	1.66	1.16	1.92	2.95	e2.05	e2.58	1.76	2.06
Eom	.36	2.46	1.13	2.47	1.45	1.45	1.90	2.90	2.52	2.31	1.84	2.00

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+3.28	+1.65	+0.98	+1.80	e+0.92	+2.80	+2.60	+0.88	+1.85	....	+1.76	+1.52
10	2.83	1.60	1.08	1.59	e.88	....	1.75	1.12	1.68	....	1.64	2.09
15	2.27	1.37	1.33	1.28	2.74	....	1.39	e1.21	2.15	....	1.47	2.25
20	1.90	1.20	1.20	1.27	1.95	e1.70	1.27	1.52	1.87	....	1.32	3.07
25	2.40	1.05	1.95	1.08	4.03	e1.60	1.08	e1.16	1.56	....	1.31	2.27
Eom	1.93	1.01	2.05	.92	3.48	1.85	.91	1.26	1.80	+2.00	1.52	e4.50

e Estimated.

G617. U. S. Geol. Survey. SE¹₄NW¹₄ sec. 15, T. 50 S., R. 40 E. Drilled observation water-table well in sandstone of Biscayne aquifer, diam 6 in, depth 29 ft, cased to 28. Lsd 6.00 ft above msl. MP top of casing, 3.53 ft above lsd. Highest water level 6.84 above msl, Apr. 19, 1957; lowest 2.80 above msl, May 25-27, 1951. Records available: 1950-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+4.20	+3.99	+3.36	+2.85	+3.15	+3.44	+3.75	+3.35	+4.86	+4.68	+4.00	+3.48
10	3.94	3.79	3.26	3.50	3.95	3.64	5.35	3.18	4.54	4.22	3.81	3.48
15	3.84	4.00	3.20	3.80	3.63	3.63	5.20	3.77	4.19	6.28	3.70	3.39
20	3.80	3.75	3.04	e3.34	3.33	3.29	4.53	4.20	4.85	5.07	3.65	3.40
25	4.59	3.55	2.98	e3.02	3.02	3.33	4.03	5.17	4.55	4.56	3.61	3.34
Eom	4.16	3.45	2.94	3.45	2.81	3.87	3.70	4.87	4.39	4.19	3.55	3.28

e Estimated.

G617--Continued.

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+3.26	+3.42	+4.15	+3.57	+5.23	+5.03	+5.21	+6.11	+5.66	+5.22	+4.39	+4.71
10	3.24	3.36	4.08	3.35	4.62	4.30	4.46	5.68	5.23	5.33	4.30	4.58
15	3.20	3.32	4.04	4.84	5.35	4.15	4.88	4.87	6.19	6.46	4.30	...
20	3.19	3.53	3.99	6.74	6.00	4.06	5.15	4.30	5.38	5.33	5.01	4.42
25	3.35	4.19	3.98	5.35	4.45	3.90	4.62	6.33	5.07	5.23	4.67	5.49
Eom	3.44	5.03	3.65	6.04	4.59	5.93	4.57	5.62	4.62	4.55	5.49	5.18
	1958											
5	+5.77	+4.59	+4.48	+4.71	+5.03	+4.80	+5.18	+4.40	+5.01	+5.56	+4.12	+4.19
10	5.10	4.72	4.45	4.42	4.28	4.35	5.06	4.93	4.50	4.72	4.18	4.34
15	4.78	4.73	4.98	4.44	4.94	4.76	4.39	4.53	5.27	4.30	3.91	4.52
20	4.54	4.58	4.67	4.18	4.19	4.25	4.26	4.92	6.27	4.70	3.90	5.08
25	5.76	4.51	5.75	4.03	6.20	4.37	5.00	4.44	4.84	4.24	3.91	4.55
Eom	4.83	4.51	5.48	3.92	5.39	5.43	4.62	4.47	4.63	4.21	4.30	e4.90

e Estimated.

S329. City of Fort Lauderdale. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 50 S., R. 41 E. Drilled test water-table well in limestone of Biscayne aquifer, diam 4 in, depth 68 ft. Lsd 9.22 ft above msl. MP top of casing, 3.16 ft above lsd. Highest water level 10.76 above msl, Oct. 17, 1947; lowest 1.1^r above msl, July 2, 1952. Records available: 1940-58.

Day	Highest water level for the day, above msl, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.43	+1.85	+1.30	+1.30	+1.12	+2.20	+1.43	+0.93	+2.84	+3.44	+3.17	+2.29
10	2.25	1.74	1.25	1.73	2.21	2.35	1.20	.73	2.98	3.16	2.99	2.14
15	2.06	1.62	1.11	2.07	2.30	2.43	1.78	.77	3.16	4.39	2.74	2.04
20	1.97	1.57	1.05	1.85	2.17	1.90	1.27	1.05	3.43	4.19	2.63	1.89
25	2.21	1.45	1.17	1.70	1.71	1.65	1.44	1.65	3.49	3.60	2.58	1.84
Eom	2.08	1.42	1.40	1.37	2.04	1.37	1.24	1.21	3.34	3.24	2.44	1.77
	1957											
5	+1.52	+1.24	+2.68	+1.97	+4.25	+3.64	+3.31	+3.78	+3.56	+4.57	+3.11	+2.57
10	1.37	1.19	2.69	1.65	3.83	3.26	3.00	3.88	3.17	5.08	2.75	2.47
15	1.26	1.13	2.33	3.17	3.60	2.95	4.18	3.36	3.01	4.54	2.57	2.25
20	1.39	1.30	2.37	5.04	4.38	2.77	3.72	3.10	3.41	4.23	2.42	2.03
25	1.25	1.86	2.41	4.38	3.75	2.60	3.78	3.53	3.16	3.90	2.58	3.18
Eom	1.12	2.70	2.04	4.30	3.65	3.35	3.87	3.92	3.63	3.54	2.88	3.78
	1958											
5	+4.91	+3.47	+2.17	+2.83	+1.76	+4.18	+3.19	+1.82	+2.32	+2.25	+1.92	....
10	4.69	3.20	2.08	2.49	1.92	3.67	2.93	1.89	2.38	2.47	....	....
15	4.05	2.94	2.21	2.31	2.83	3.47	2.62	1.58	2.76	2.12	....	....
20	3.69	2.84	2.08	1.97	2.63	2.45	2.19	1.82	2.43	2.13	....	+3.68
25	4.28	2.50	2.22	e1.80	4.19	2.56	2.01	1.78	2.08	1.83	....	....
Eom	3.88	2.36	3.18	1.40	4.76	2.89	1.48	1.72	1.97	1.92	e2.15	....

e Estimated.

Citrus County

13. A. C. Yonley. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, T. 17 S., R. 20 E. Drilled unused artesian well in Floridan aquifer, diam 3 in, reported depth 113 ft. Lsd 38.4 ft above msl. MP top of 3-in thread protector, 4.00 ft above lsd. Highest water level 0.4 above lsd, September 1945; lowest 8.58 below lsd, June 29, 1956. Records available: 1933, 1935-58.

Date	Water level						
Jan. 17, 1956	7.13	Nov. 9, 1956	5.59	July 17, 1957	5.92	Apr. 14, 1958	2.12
Feb. 28	6.78	Dec. 14	6.37	Aug. 28	4.93	May 26	3.71
Apr. 7	7.58	Jan. 26, 1957	7.11	Oct. 9	3.72	July 15	3.60
May 18	8.08	Mar. 12	7.57	Nov. 27	5.35	Aug. 26	2.80
June 29	8.58	Apr. 17	6.85	Jan. 9, 1958	5.62	Oct. 9	3.89
Aug. 10	8.54	June 5	6.17	Feb. 21	5.13	Nov. 12	2.77
Sept. 25	6.88						

15. Charles Rush. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 17 S., R. 18 E. Drilled domestic artesian well in Floridan aquifer, diam 3 in, depth 78 ft. Lsd 44.2 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 7.84 below lsd, Oct. 16, 1950; lowest 20.17 below lsd, June 29, 1956. Records available: 1933, 1935-58.

15--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1956	18.16	Nov. 9, 1956	17.80	July 17, 1957	18.58	Apr. 14, 1958	14.51
Feb. 28	18.80	Dec. 14	18.31	Aug. 28	16.24	May 26	14.36
Apr. 7	19.30	Jan. 26, 1957	19.03	Oct. 9	15.03	July 15	13.69
May 18	19.83	Mar. 12	19.79	Nov. 27	15.48	Aug. 26	12.54
June 29	20.17	Apr. 17	19.49	Jan. 9, 1958	16.27	Oct. 9	12.98
Aug. 10	20.12	June 5	19.58	Feb. 21	16.61	Nov. 12	12.22
Sept. 25	18.97						

Clay County

1. Girl Scouts of America. $NE_4^1NE_4^1$ sec. 29, T. 5 S., R. 26 E. Drilled public-supply artesian well in Floridan aquifer, diam 6 in, reported depth 400 ft, cased to 72. Lsd 11.74 ft above msl. MP top of 6-in tee, 1.10 ft above lsd. Highest water level 44.3 above lsd, Mar. 22, 1948; lowest 23.7 above lsd, June 6, 1957. Records available: 1934, 1940, 1942, 1944-58.

Jan. 6, 1956	+29.7	Nov. 7, 1956	+27.8	July 18, 1957	+26.1	May 12, 1958	+34.2
Feb. 15	33.3	Dec. 19	27.3	Sept. 5	28.2	June 4	31.5
Apr. 4	27.6	Jan. 23, 1957	29.3	Oct. 23	30.1	July 9	31.1
May 16	29.4	Mar. 14	29.0	Dec. 5	30.5	Sept. 4	30.9
June 27	26.6	Apr. 26	27.4	Jan. 22, 1958	31.7	Oct. 13	30.7
Aug. 8	26.3	June 6	23.7	Mar. 5	32.5	Nov. 7	31.6
Sept. 28	26.8						

2. Mrs. M. A. Chaulker. Middleburg. $NW_4^1NW_4^1$ sec. 13, T. 5 S., R. 24 E. Drilled domestic artesian well in Floridan aquifer, diam 3 in, reported depth 498 ft, cased to 300. Lsd 27.72 ft above msl. MP $\frac{3}{4}$ -in faucet 4 ft east of well, 2.00 ft above lsd. Highest water level 48.1 above lsd, Apr. 30, 1948; lowest 29.3 above lsd, June 6, 1957. Records available: 1934, 1940-42, 1944-58.

Jan. 6, 1956	+35.0	Nov. 7, 1956	+33.0	July 18, 1957	+33.6	May 12, 1958	+38.1
Feb. 15	35.7	Dec. 19	32.2	Sept. 5	35.2	June 2	38.1
Apr. 4	33.3	Jan. 24, 1957	32.1	Oct. 23	36.3	July 8	37.2
May 16	34.0	Mar. 14	32.1	Dec. 5	37.1	Sept. 4	37.0
June 27	32.1	Apr. 26	32.9	Jan. 22, 1958	36.8	Oct. 14	36.4
Aug. 8	32.4	June 6	29.3	Feb. 28	37.3	Nov. 7	36.6
Sept. 28	31.9						

4. T. J. Jennings. $SW_4^1SW_4^1$ sec. 32, T. 4 S., R. 25 E. Drilled stock artesian well in Floridan aquifer, diam 4 in, reported depth 481 ft, cased to 80. Lsd 26.07 ft above msl. MP top of 4-in valve, 3.30 ft above lsd. Highest water level 42.3 above lsd, July 15, 1947; lowest 23.5 above lsd, June 6, 1958. Records available: 1940-42, 1944-58.

Jan. 6, 1956	+29.7	Nov. 7, 1956	+25.8	July 18, 1957	+26.3	May 12, 1958	+30.1
Feb. 15	29.3	Dec. 19	23.9	Sept. 5	28.8	June 2	29.1
Apr. 4	26.6	Jan. 24, 1957	25.0	Oct. 23	29.9	July 8	29.1
May 16	26.8	Mar. 14	25.8	Dec. 5	28.9	Sept. 4	29.1
June 27	24.3	Apr. 26	26.3	Jan. 22, 1958	29.0	Oct. 14	28.5
Aug. 8	25.4	June 6	23.5	Feb. 28	29.5	Nov. 7	28.5
Sept. 28	24.3						

5. John Huntley. $NE_4^1NE_4^1$ sec. 32, T. 4 S., R. 25 E. Drilled domestic artesian well in Floridan aquifer, diam 4 in, reported depth 530 ft, cased to 157. Lsd 24.02 ft above msl. MP top flange of 4-in valve, 2.50 ft above lsd. Highest water level 36.9 above lsd, Apr. 26, 1944; lowest 19.0 above lsd, June 27, 1956. Records available: 1940-41, 1944-58.

Jan. 6, 1956	+25.1	Nov. 7, 1956	+22.7	July 18, 1957	+22.6	May 12, 1958	+26.9
Feb. 15	25.5	Dec. 18	21.9	Sept. 5	24.1	June 2	26.5
Apr. 4	22.4	Jan. 24, 1957	21.6	Oct. 23	25.3	July 8	26.0
May 16	23.2	Mar. 14	23.2	Dec. 5	25.9	Sept. 4	25.5
June 27	19.0	Apr. 26	22.3	Jan. 22, 1958	25.6	Oct. 14	25.1
Aug. 8	20.7	June 6	21.0	Feb. 28	26.2	Nov. 7	25.5
Sept. 28	21.3						

7. U. S. Navy. Auxiliary airbase, about 2.5 mi southeast of Green Cove Springs. T. 6 S., R. 26 E. Drilled public-supply artesian well in Floridan aquifer, diam 6 in, reported depth 650 ft, cased to 276. Lsd 12.14 ft above msl. MP top flange of 6-in valve, 1.00 ft above lsd. Highest water level 27.2 above lsd, Oct. 10, 1940; lowest 10.4 above lsd, June 27, 1956. Records available: 1940-42, 1946-47, 1949-58.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

7--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1956	+16.5	Nov. 7, 1956	+14.5	July 18, 1957	+13.0	May 12, 1958	+13.0
Feb. 15	16.2	Dec. 19	12.8	Sept. 5	13.6	June 4	13.7
Apr. 4	12.3	Jan. 23, 1957	13.3	Oct. 23	15.4	July 9	12.6
May 16	13.1	Mar. 14	14.4	Dec. 5	16.6	Sept. 4	12.4
June 27	10.4	Apr. 26	11.6	Jan. 22, 1958	16.8	Oct. 13	15.8
Aug. 8	10.6	June 6	12.2	Mar. 5	16.0	Nov. 7	16.3
Sept. 28	11.7						

8. Clay County. Formerly St. Elmo Hotel. North of school in Green Cove Springs. T. 6 S., R. 26 E. Drilled domestic artesian well in Floridan aquifer, diam 4 in, reported depth 600 ft, cased to about 150. Lsd 15.89 ft above msl. MP top flange of 6-in valve, 2.50 ft above lsd. Highest water level 22.5 above lsd, July 15, 1947; lowest 13.3 above lsd, June 27, 1956. Records available: 1934-35, 1940-42, 1944-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1956	+16.5	Sept. 28, 1956	+13.7	Apr. 26, 1957	+14.5	June 4, 1958	+16.7
Feb. 15	17.0	Nov. 7	17.4	June 6	14.0	July 9	16.1
Apr. 4	14.6	Dec. 19	14.5	July 18	15.2	Sept. 4	17.5
May 16	14.5	Jan. 23, 1957	14.4	Sept. 5	17.0	Oct. 13	16.5
June 27	13.3	Mar. 14	15.3	May 12	16.7	Nov. 7	16.9
Aug. 8	14.2						

22. U. S. Navy. Auxiliary airbase. T. 6 S., R. 26 E. Drilled public-supply artesian well in Floridan aquifer, diam 6 in, reported depth 650 ft, cased to 282. MP top of 6-in tee, 3.50 ft above lsd. Highest water level 23.5 above lsd, Sept. 4, 1946; lowest 10.9 above lsd, Aug. 8, 1956. Records available: 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1956	+16.5	Nov. 7, 1956	+14.1	July 18, 1957	+12.1	May 12, 1958	+12.3
Feb. 15	16.2	Dec. 19	13.4	Sept. 5	13.2	June 4	13.4
Apr. 4	11.4	Jan. 23, 1957	12.6	Oct. 23	15.0	July 9	11.9
May 16	12.7	Mar. 14	13.4	Dec. 5	15.7	Sept. 4	12.7
June 27	11.5	Apr. 26	11.2	Jan. 22, 1958	16.1	Oct. 13	15.3
Aug. 8	10.9	June 6	11.0	Mar. 5	15.3	Nov. 7	14.5
Sept. 28	11.5						

Collier County

C54. U. S. Geol. Survey. SE $\frac{1}{4}$ sec. 36, T. 49 S., R. 34 E. Driven observation water-table well in sandstone and sand of Pleistocene age, diam 6 in, depth 9 ft, cased to 8, gravel-packed 8-9. Lsd 12.93 ft above msl. MP top of casing, 2.80 ft above lsd. Highest water level 13.88 above msl, Oct. 9, 1953; lowest 8.56 above msl, June 26, 1956. Records available: 1951-58.

Highest water level for the day, above msl, from recorder graph, 1951												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	+10.40	+9.39	+10.05	+9.88	+11.72	+13.14	+12.92	+13.10	+12.36	+12.11
10	.....	+11.40	10.19	9.56	9.71	9.63	e12.82	13.01	12.88	13.28	12.28
15	.....	11.16	10.36	10.21	9.49	9.36	+11.84	12.31	12.06	13.06	12.34
20	.....	10.95	10.06	9.95	9.27	9.06	.....	11.99	12.26	12.88	12.11
25	.....	10.72	9.87	10.71	9.07	9.20	.....	12.06	12.07	12.65	12.14
Eom	.....	10.59	9.66	10.44	10.34	9.29	.....	11.92	12.96	12.49	12.14
1952												
5	+11.38	+12.78	+11.48	+10.43	+9.55	+9.70	+12.89	+12.31	.....	.....	.....
10	11.19	11.83	11.23	9.07	9.55	10.01	12.91	12.92	.....	.....	.....
15	11.03	11.71	11.07	9.81	9.71	10.48	12.00	12.29	.....	.....	e13.01
20	10.88	11.76	10.66	9.58	9.50	10.76	12.17	12.36	.....	.....	.....
25	10.69	11.71	10.36	9.39	9.96	10.74	12.95	12.88	.....	.....	.....
Eom	10.84	11.70	10.81	9.89	9.87	10.34	12.91	.....	.....	.....	.....
1953												
5	+10.19	.....	.....	+10.46	+10.09	+9.49	+10.80	.....	+13.08	+13.25	+13.13
10	.....	.....	.....	10.86	10.37	9.36	10.66	.....	13.02	13.74	12.85
15	.....	.....	.....	10.74	9.89	9.66	10.76	+13.10	13.03	13.54	12.97
20	.....	.....	+11.16	10.86	9.71	9.47	11.13	13.18	13.27	13.44	12.64
25	.....	.....	11.08	10.43	9.81	10.81	11.92	12.57	13.24	13.29	13.08
Eom	.....	.....	10.66	10.51	9.68	11.24	.....	13.09	13.21	13.16	12.48

e Estimated.

C54--Continued.

1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+12.21	+11.16	+11.01	+10.04	+11.56	+12.95	+12.93	+12.66	+13.06	+12.86	+12.41	+12.16
10	12.12	11.04	11.36	10.60	10.97	12.34	12.63	13.01	13.01	12.91	12.35	12.20
15	12.11	10.84	10.88	12.99	12.66	12.95	13.06	12.66	13.01	12.96	12.36	12.01
20	.....	10.65	11.28	11.41	12.04	12.90	12.42	13.01	12.84	12.68	12.99	12.08
25	.....	10.48	10.78	11.85	11.91	13.22	13.02	13.09	13.09	12.59	12.33	12.03
Eom	.....	10.96	10.32	11.54	12.56	13.07	13.03	13.03	13.04	12.46	12.88	11.95

1955

5	+11.80	+10.95	+10.56	+9.43	+9.16	+10.72	+12.16	+12.34	+12.49	+12.72	+11.76	+11.31
10	11.65	10.91	10.28	9.33	9.07	10.25	12.03	11.99	13.01	12.24	12.93	11.61
15	11.41	10.70	10.06	9.44	8.91	12.11	12.14	11.86	12.40	12.33	11.86	11.91
20	11.43	11.29	9.84	9.98	9.08	12.96	13.01	13.02	12.71	12.24	11.67	11.49
25	11.56	10.99	9.64	9.70	9.24	12.97	12.32	12.93	12.51	12.22	11.85	11.30
Eom	11.15	10.81	9.51	9.35	11.21	13.02	12.85	12.19	12.92	11.94	11.40	11.65

1956

5	+11.33	+11.29	+10.14	.....	.....	+8.81	+10.99	+12.88	+12.77	+13.01	+12.09	+11.46
10	11.08	11.09	9.94	.....	.....	8.91	12.94	12.98	12.82	12.46	11.94	11.34
15	10.93	11.09	9.79	.....	.....	8.89	12.00	12.78	12.42	13.01	11.89	11.24
20	10.81	10.81	9.57	.....	.....	8.65	11.97	12.02	12.87	12.98	11.75	11.07
25	12.16	10.56	9.42	.....	.....	8.52	11.41	12.96	12.27	12.81	11.54	10.89
Eom	11.39	10.38	9.24	.....	.....	11.11	11.80	12.31	12.83	12.23	12.01	10.76

1957

5	+10.59	+9.91	+11.64	+11.12	+12.92	+11.26	+12.18	+12.98	+13.04	+13.04	+12.46	+12.87
10	10.44	9.78	10.53	12.17	12.16	11.31	12.96	12.89	12.93	12.84	12.35	11.96
15	10.33	9.63	11.79	11.83	12.94	11.42	12.76	12.50	13.06	13.09	12.66	11.77
20	10.14	9.72	11.25	11.89	12.17	12.03	13.03	13.02	13.00	12.84	12.27	11.72
25	10.36	10.47	11.84	11.42	11.92	11.73	12.99	12.78	13.04	12.97	12.26	12.81
Eom	10.06	12.90	11.19	12.97	11.82	11.89	12.89	13.02	13.06	12.54	12.14	12.70

1958

5	+12.91	+12.68	+12.44	+12.91	+13.01	+12.92	+12.66	.....	.....	.....	+12.34	+12.07
10	12.86	12.66	12.73	13.04	11.58	12.71	13.02	.....	.....	.....	12.44	12.99
15	12.89	12.61	12.85	12.42	12.80	12.55	11.56	.....	.....	.....	12.31	12.96
20	12.74	12.58	13.01	12.34	12.16	13.03	e12.74	.....	.....	.....	12.21	12.28
25	13.06	12.56	13.06	12.25	13.00	13.00	.....	.....	.....	+12.51	12.89	12.25
Eom	12.94	12.58	13.03	11.95	12.95	12.57	12.66	.....	.....	12.89	12.11	12.32

e Estimated.

C130. U. S. Geol. Survey. North 4th Ave. and 2d St., Naples. NW^{1/4}NE^{1/4} sec. 4, T. 50 S., R. 25 E. Drilled observation water-table well in limestone of Tamiami formation, diam 6 in, depth 71 ft, cased to 69. Lsd 5.39 ft above msl. MP top of casing, 2.50 ft above lsd. Highest water level 5.44 above msl, Sept. 5, 1957; lowest 0.16 above msl, Aug. 30, 1956. Records available: 1952-58. Affected by tides. Recording gauge removed June 2, 1958.

Lowest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.66	+2.20	+1.08	+0.40	+2.13	+2.36	+2.13	+1.53	+2.69	+2.70	+1.34	+0.85
10	1.98	1.54	1.17	1.69	1.95	2.37	1.93	.59	2.80	3.06	2.05	.50
15	1.78	1.75	1.08	1.73	2.21	1.58	1.70	.73	2.00	3.05	1.40	1.30
20	1.89	1.45	.96	.77	2.62	2.22	.49	.72	2.60	2.35	1.20	2.04
25	2.88	1.53	.89	.91	2.01	1.15	1.80	1.39	2.58	2.09	1.61	1.72
Eom	1.95	1.47	1.14	1.64	2.49	1.31	1.39	.90	2.56	1.36	1.64	1.52

1957

5	+1.08	+1.18	+2.90	+2.22	+2.58	+0.87	e-2.50	e-2.47	+4.62	.....	.....	+1.82
10	.95	1.25	2.80	1.66	2.64	1.74	2.20	3.90	.....	.....	.....	2.62
15	.97	.75	2.35	1.90	2.35	2.05	3.07	4.24	.....	.....	.....	1.63
20	1.30	1.95	2.07	2.55	1.36	3.20	3.13	3.82	3.50	.....	.....	1.38
25	1.09	1.95	2.82	2.19	1.70	3.52	3.44	3.98	.....	.....	.....	2.58
Eom	1.03	2.75	2.35	2.31	2.04	3.00	2.95	3.54	.....	.....	.....	2.68

1958

5	+3.32	+2.82	+2.19	+3.35	+2.08	.....	.....	.....	.....	.....	.....	.....
10	3.60	2.79	2.62	3.03	1.38	.....	.....	.....	.....	.....	.....	.....
15	3.31	3.12	2.38	3.07	1.52	.....	.....	.....	.....	.....	.....	.....
20	2.86	2.53	2.94	2.67	1.68	.....	.....	.....	.....	.....	.....	.....
25	4.05	2.29	3.19	2.04	3.37	.....	.....	.....	.....	.....	.....	.....
Eom	3.20	2.64	3.79	1.94	3.49	.....	.....	.....	.....	.....	.....	.....

e Estimated.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

C131. U. S. Geol. Survey. On Florida Highway 846, SE^{1/4}NW^{1/4} sec. 1, T. 47 S., R. 30 E. Drilled observation water-table well in limestone of Tamiami formation, diam 6 in, depth 54 ft, cased to 22. Lsd 26.60 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 26.72 above msl, Oct. 9, 1953; lowest 21.72 above msl, June 25, 1956. Records available: 1952-58.

Highest water level for the day, above msl, from recorder graph, 1956													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
5	+24.15	+24.29	+23.27	+22.21	.....	+22.31	+23.82	+23.65	+25.32	+25.90	+25.23	+24.50
10	23.97	23.87	23.29	22.33	.....	22.21	24.78	23.33	25.33	25.55	25.08	24.40
15	23.82	24.22	23.07	22.15	.....	22.07	25.17	23.19	24.87	25.85	.....	24.23
20	23.82	23.87	22.83	22.00	.....	21.94	24.32	24.36	25.10	25.97	.....	24.17
25	24.63	23.60	22.65	21.90	.....	22.37	23.78	24.56	24.43	25.65	.....	23.99
Eom	24.47	23.47	22.39	22.61	.....	23.52	24.27	25.54	25.35	25.45	.....	.....

1957

5	+23.53	+23.27	+24.92	+24.62	+25.61	+25.40	+25.64	+25.74	+26.07	+26.50	+25.43	+24.51
10	23.29	23.65	25.20	25.13	25.45	25.40	.....	25.84	26.13	26.32	25.20	24.70
15	23.37	23.22	25.36	25.39	25.88	25.29	.....	25.77	26.25	26.21	25.44	24.36
20	23.18	23.28	24.76	24.97	26.02	25.40	.....	25.53	26.17	26.05	25.10	24.75
25	23.40	23.63	24.75	24.48	25.71	25.98	.....	26.03	26.05	25.97	24.90	26.85
Eom	23.17	25.07	24.40	25.56	25.48	25.95	.....	25.88	26.36	25.60	24.93	26.72

e Estimated.

Columbia County

9. Lake City. Sec. 5, T. 4 S., R. 17 E. Drilled unused artesian well in Floridan aquifer, diam 12 in, reported depth 836 ft. Lsd 143.64 ft above msl. MP top of casing, at lsd. Highest water level 79.58 below lsd, June 5, 1948; lowest 97.20 below lsd, Jan. 19, 1957. Records available: 1942, 1948-58.

Highest water level for the day, from recorder graph, 1956													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
5	95.85	95.95	.....	96.25	96.51	96.60	96.60	96.74	96.86	96.95	96.85	96.83
10	95.57	95.70	.....	95.92	96.56	96.72	96.62	96.82	97.02	96.97	96.87	96.80
15	95.75	96.02	e96.19	96.15	96.52	96.77	96.73	96.75	96.91	96.86	96.75	96.69	
20	95.85	95.94	.....	96.46	96.60	96.69	96.64	96.83	96.81	96.88	96.78	96.78
25	95.92	e96.09	.....	96.52	96.73	96.72	96.66	96.96	96.65	96.84	96.61	96.77
Eom	96.11	e96.17	96.20	96.58	96.67	96.65	96.77	96.92	97.00	96.69	96.59	96.65	

1957

5	96.75	96.91	96.62	96.72	96.73	96.70	95.63	94.55	93.72	93.09	92.56	92.54
10	96.75	96.72	96.87	96.85	96.82	96.39	95.52	94.45	93.71	93.06	92.80	92.20
15	96.66	96.82	96.87	96.95	96.72	96.48	95.38	94.35	93.48	93.03	92.46	92.50
20	97.02	96.75	96.81	97.00	96.63	96.22	95.20	94.10	93.43	92.93	92.49	92.12
25	96.84	96.61	96.58	96.95	96.80	96.01	95.02	94.03	93.42	92.58	92.31	92.25
Eom	96.81	96.58	96.92	96.78	96.78	95.87	94.77	93.97	93.24	92.61	92.23	92.23

1958

5	92.48	91.97	91.80	90.98	90.12	89.74	89.72	89.76	89.71	90.04	90.50	90.92
10	92.19	91.84	91.49	90.71	90.12	89.63	89.85	89.78	89.71	90.20	90.52	91.18
15	91.87	91.53	91.56	90.50	90.05	89.56	89.91	89.73	89.86	90.39	90.80	91.32
20	92.01	91.98	91.40	90.63	89.82	89.65	89.82	89.60	89.88	90.22	90.83	91.31
25	91.79	91.71	91.20	90.60	89.60	89.68	89.78	89.55	89.91	90.30	90.90	91.38
Eom	91.72	91.54	90.99	90.37	89.68	89.77	89.86	89.70	90.01	90.48	91.20	91.40

e Estimated.

Dade County

F179. City of Miami. Southwest 24th Ter. and 32d Ave. SE^{1/4}NW^{1/4} sec. 16, T. 54 S., R. 41 E. Drilled unused water-table well in limestone of Biscayne aquifer, diam 6 in, depth 77 ft. Lsd 8.77 ft above msl. MP top of casing, 2.40 ft above lsd. Highest water level 7.21 above msl, Oct. 14, 1947; lowest 0.69 above msl, Mar. 18, 1955. Records available: 1939-58.

F179--Continued.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.35	+1.03	+0.88	+1.10	+0.98	+1.20	+1.45	+1.13	+2.33	+2.46	+2.78	+1.57
10	....	.99	.84	1.59	1.23	1.43	1.40	1.15	2.54	2.16	2.57	1.36
15	1.56	1.22	.93	1.52	1.31	1.42	1.26	1.05	2.58	3.53	e2.33	1.25
20	1.37	1.13	.94	1.37	1.36	1.28	1.04	1.40	2.89	3.08	2.09	1.18
25	1.35	1.20	1.19	1.21	1.28	1.08	1.17	1.81	2.57	3.19	1.96	e1.10
Eom	1.19	1.08	1.11	1.01	1.24	1.52	1.13	1.94	2.66	2.86	1.80	.99

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+0.98	+1.04	+2.28	+1.54	+2.36	+1.76	+2.05	+1.83	+2.81	+2.61	....	+1.95
10	.93	1.06	2.23	1.40	2.34	1.71	1.93	1.83	2.36	3.36	+2.21	1.94
15	.93	1.23	2.00	1.51	2.33	1.62	3.98	1.89	2.22	3.18	2.27	1.73
20	1.04	1.47	1.89	1.63	2.15	1.61	2.85	1.97	2.01	2.89	2.07	1.67
25	1.09	2.04	1.80	1.53	1.94	1.68	2.33	2.80	2.06	2.71	2.06	1.80
Eom	1.00	2.72	1.60	e1.71	1.74	1.93	2.03	3.29	2.27	2.39	2.16	1.83

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.68	+1.72	+1.31	+2.15	+1.58	+2.97	+2.67	+1.89	+2.55	+2.73	+2.31	+2.13
10	2.72	1.67	1.44	1.97	1.64	2.54	2.55	2.09	2.28	2.75	3.00	2.14
15	2.40	1.51	1.46	1.74	2.32	2.28	2.32	2.20	2.22	2.84	2.59	2.21
20	2.05	1.34	1.40	1.62	2.16	1.88	2.02	2.16	2.10	2.84	2.20	2.70
25	2.21	1.25	2.00	1.51	5.66	2.17	2.01	1.96	1.96	2.68	2.03	2.31
Eom	1.95	1.26	2.23	1.42	3.64	2.11	....	1.83	2.11	2.60	2.11	2.43

e Estimated.

F210. City of Miami. Northwest 62d St. and Miami Ct. SW₁NE₄ sec. 13, T. 53 S., R. 41 E. Drilled unused water-table well in limestone of Biscayne aquifer, diam 6 in, depth 112 ft. Lsd 8.77 ft above msl. MP top of casing, 3.90 ft above lsd. Highest water level 7.92 above msl, Oct. 12, 1947; lowest 0.24 above msl, Mar. 10-11, 1945. Records available: 1940-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.10	+0.83	+0.80	+0.70	+1.42	+1.11	+0.95	+2.70	+2.00	+2.29	+1.34
1097	.76	1.12	1.38	1.50	1.04	.94	2.87	1.52	2.10	1.16
15	1.16	.70	1.20	1.30	1.41	.97	.88	2.56	2.65	1.98	1.03
20	1.09	.71	1.08	1.35	1.21	1.23	1.45	3.37	2.66	....	.94
25	1.03	.81	e.93	e1.15	1.05	e1.11	1.97	....	2.55	....	.88
Eom	+1.21	.95	.80	.77	1.25	1.16	1.03	1.82	2.44	2.37	1.51	.77

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+0.71	+0.72	+2.09	+1.40	+3.92	+1.68	+1.70	+1.93	....	+2.90	+1.98	+2.36
10	.68	.75	2.17	1.31	3.43	1.62	1.53	1.95	....	3.83	1.80	1.98
15	.70	.87	1.98	1.38	3.12	1.45	2.13	1.73	+2.44	3.40	1.72	1.60
20	.75	1.16	1.92	1.57	2.58	1.50	2.05	e3.76	2.17	2.97	1.58	1.37
25	.79	1.59	1.76	1.40	2.14	1.50	1.88	....	1.97	e.61	2.41	1.28
Eom	.71	2.27	1.53	1.58	1.83	1.79	1.76	....	2.18	2.20	2.95	1.19

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.51	+1.19	+0.78	+1.73	+0.81	+3.19	+2.60	+1.25	e+2.20	+2.50	+2.00	....
10	2.55	1.14	.95	1.48	1.08	2.44	2.10	e1.63	....	2.62	1.99	....
15	2.07	1.03	.94	1.32	1.78	2.04	1.74	1.75	....	2.33	1.83	....
20	1.67	.89	.89	1.18	1.70	1.60	1.44	1.66	....	2.72	1.63	....
25	1.66	.76	1.15	1.06	....	1.77	....	1.43	....	2.48	1.56	....
Eom	1.40	.80	1.95	.95	3.94	1.85	1.08	e1.30	1.74	2.26	1.95	e+2.35

e Estimated.

F319. U. S. Geol. Survey. North 1st Ave. and Sunset Dr., South Miami. SE₁SE₄ sec. 25, T. 54 S., R. 40 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in, depth 17 ft, cased to 13. Lsd 11.12 ft above msl. MP top of casing, 2.69 ft above lsd (since Oct. 8, 1957). Highest water level 8.86 above msl, Oct. 11, 1947; lowest 0.47 above msl, May 19, 1945. Records available: 1940-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.00	+1.74	+1.61	+1.34	+1.30	+1.40	....	+1.59	+2.59	+2.56	+2.97	+2.24
10	1.98	1.74	1.49	....	1.54	1.59	....	1.49	2.28	2.48	2.74	2.14
15	2.05	1.84	1.46	....	1.63	1.60	....	1.39	2.48	3.15	2.59	2.13
20	1.94	1.79	1.41	1.57	1.65	1.49	....	1.63	2.53	2.86	2.49	2.10
25	1.96	1.80	1.50	1.46	1.58	1.36	....	1.89	2.33	3.49	2.41	2.06
Eom	1.85	1.74	1.39	1.36	1.49	1.69	+1.73	2.05	2.51	3.05	2.34	1.99

F319--Continued.

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.95	+1.76	+2.48	+2.25	+2.52	+2.25	+2.22	+2.13	+2.61	+2.90	+2.58	+2.35
10	1.90	1.76	2.58	2.10	2.44	2.27	2.23	2.11	2.30	3.39	2.58	2.37
15	1.84	1.79	2.50	2.13	2.45	2.28	2.65	2.06	2.28	3.30	2.63	2.29
20	1.87	1.92	2.46	2.15	2.45	2.24	2.48	2.15	2.20	3.10	2.47	2.30
25	1.88	2.22	2.40	2.10	2.36	e2.25	2.25	2.50	2.22	2.92	2.45	2.42
Eom	1.77	2.64	2.25	2.26	2.25	2.25	2.26	3.01	2.41	2.60	2.43	2.35

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.88	+2.42	+2.28	+2.52	+2.08	+3.31	+3.22	+2.07	+2.48	+2.83	+2.49	+2.36
10	2.84	2.32	2.28	2.35	2.23	2.89	3.10	2.02	2.32	2.82	3.07	2.39
15	2.56	2.10	2.25	2.18	3.01	2.68	2.88	2.32	2.32	2.64	2.70	2.46
20	2.51	2.20	2.13	2.08	2.65	....	2.57	2.22	2.24	2.71	2.45	2.60
25	2.53	2.20	2.29	2.01	5.36	....	2.34	1.95	2.13	2.62	2.36	2.47
Eom	2.45	2.21	2.60	1.98	3.75	2.63	2.08	1.87	2.22	2.64	2.39	2.54

e Estimated.

F358. Town of Homestead. Northwest 6th St. and 2d Ave. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 57 S., R. 38 E. Drilled unused water-table well in limestone of Biscayne aquifer, diam 6 in, depth 54 ft. Lsd 7.76 ft above msl. MP top of nail driven into recorder shelf, 2.98 ft above lsd. Highest water level 8.19 above msl, Oct. 5, 1948; lowest 0.85 below msl, May 24, 1945. Records available: 1940-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.69	+1.38	e+0.97	+0.18	+0.13	....	+1.20	....	+2.74	+3.63	+2.88	e+1.78
10	1.54	1.30	e.84	e.18	.78	....	1.24	....	2.99	3.33	e.60	1.64
15	1.49	1.52	e.71	e.41	.79	....	1.67	....	2.87	4.40	e2.41	1.55
20	1.43	1.40	e.59	.34	.63	....	1.75	....	3.72	3.91	e2.25	1.50
25	1.67	1.20	e.47	.15	.55	+0.34	1.76	....	3.59	3.66	e2.11	1.37
Eom	1.54	1.10	.32	.34	.31	.87	e1.78	+2.23	4.25	3.30	1.98	1.30

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.23	+0.79	+1.87	+1.87	+2.70	+2.83	+2.87	+3.53	+4.66	+4.32	+3.19	+2.64
10	1.14	.69	1.94	1.84	2.75	2.75	2.69	3.48	4.12	4.71	2.95	2.50
15	1.05	.56	1.80	1.80	2.73	2.66	3.16	3.46	4.60	5.03	2.79	2.37
20	.99	.84	1.98	2.25	2.83	2.73	3.35	4.64	4.48	4.74	3.60	2.33
25	1.06	1.37	1.82	2.35	2.98	2.58	3.14	4.79	4.05	4.08	3.18	2.76
Eom	.89	2.05	1.57	2.52	2.77	2.50	3.15	5.16	3.92	3.52	2.90	3.06

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+4.18	+3.05	+2.70	+3.39	+1.92	e+4.83	+6.23	+3.43	+3.75	+4.07	+3.39	+2.75
10	4.01	3.15	2.60	3.04	1.78	4.39	e5.22	4.03	3.55	4.28	3.07	2.62
15	3.64	3.01	2.61	2.85	2.82	4.53	4.71	3.74	3.87	3.78	2.78	2.69
20	3.32	2.86	2.51	2.56	2.70	3.94	4.24	3.67	3.50	4.06	2.54	3.16
25	3.73	2.69	2.76	2.30	6.92	4.13	4.03	3.61	3.46	3.65	2.58	2.92
Eom	3.36	2.62	3.63	2.08	e5.54	4.83	3.81	3.68	3.34	3.54	2.94	2.76

e Estimated.

G10. U. S. Geol. Survey. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 4, T. 54 S., R. 40 E. Dug and driven observation water-table well in oolitic limestone of Biscayne aquifer, diam 8 in, depth 6 ft, cased to 6. Lsd 5.64 ft above msl. MP top of casing, 2.70 ft above lsd. Highest water level 8.92 above msl, Oct. 13, 1947; lowest 0.53 above msl, June 20-21, 1945. Records available: 1940-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+3.10	+3.11	-2.79	+2.33	+2.25	+2.32	+2.73	+2.20	+4.57	+3.03	+3.41	+3.23
10	3.09	3.20	2.75	e3.76	2.93	2.61	2.65	2.32	3.20	3.04	3.39	3.29
15	3.02	3.09	2.74	2.87	2.86	2.45	2.79	2.80	2.78	....	3.30	3.29
20	3.14	2.95	2.67	2.72	2.72	2.27	2.85	3.65	3.20	....	3.35	3.21
25	3.32	2.91	2.62	2.53	2.51	2.28	2.48	3.06	2.85	....	3.25	3.16
Eom	3.24	2.84	2.47	2.42	2.43	2.96	2.25	2.84	3.10	3.56	3.22	3.14

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+3.11	+2.93	e4.13	+2.92	....	+3.28	+3.78	+4.82	....	+4.27	+3.67	+3.70
10	3.08	2.88	3.32	3.10	....	3.25	4.07	4.14	....	4.89	3.62	3.74
15	3.06	2.82	3.43	3.04	....	3.06	4.79	....	....	4.73	3.62	3.70
20	3.07	3.12	3.13	3.56	....	3.33	3.91	....	....	4.43	3.53	3.73
25	3.06	3.78	3.05	3.22	....	3.90	3.75	....	+3.96	4.10	3.60	4.33
Eom	2.99	3.94	2.94	....	+3.30	4.23	3.38	....	3.35	3.83	4.20	4.11

e Estimated.

G10--Continued.

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+4.80	+3.49	+3.41	+3.89	+3.42	+5.31	+5.21	+3.10	+3.77	+3.58	+3.00	+2.90
10	4.50	3.61	3.40	3.56	3.20	4.72	5.22	3.28	3.42	3.47	3.12	3.57
15	4.08	3.72	3.38	3.40	4.59	4.51	4.34	3.87	3.51	3.32	2.93	3.39
20	3.79	3.43	3.34	3.22	3.71	3.97	4.04	3.27	3.19	3.63	2.78	3.57
25	4.11	3.38	5.02	3.15	6.01	4.48	3.53	2.99	3.05	e3.08	2.78	3.08
Eom	3.72	3.37	4.50	3.03	5.87	5.22	3.35	4.07	3.21	3.32	2.91	3.21

e Estimated.

G39. U. S. Geol. Survey. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 22, T. 54 S., R. 40 E. Dug observation water-table well in oolitic limestone of Biscayne aquifer, diam 6 in., depth 6 ft, cased to 6. Lsd 8.08 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 8.99 above msl, Sept. 21, 1940; lowest 1.73 above msl, Apr. 12, 1945. Records available: 1940-43, 1945, 1947, 1949-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+3.66	+3.48	+2.98	+2.37	+2.38	+2.28	+2.42	+2.30	+3.44	+3.52	+4.12	+3.39
10	3.56	3.37	2.88	2.59	2.42	2.31	2.47	....	....	3.56	3.93	3.38
15	3.50	3.36	2.80	2.63	2.50	2.30	2.52	....	....	4.15	3.75	3.29
20	3.44	3.29	2.70	2.65	2.54	2.27	2.63	2.42	....	4.21	3.64	e3.24
25	3.58	3.18	2.59	2.60	2.49	2.26	2.63	2.88	3.35	4.65	3.55	e3.19
Eom	3.56	3.10	2.46	2.51	2.38	2.31	2.51	2.95	3.60	4.40	3.45	3.12

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.96	+2.65	+3.60	+3.30	+4.12	+3.67	+3.90	....	+4.84	+4.23	+4.23	+3.85
10	2.98	2.63	3.79	3.20	4.05	3.69	4.18	....	4.48	5.02	4.06	3.65
15	2.96	2.58	3.74	3.18	4.07	3.60	4.98	....	4.16	5.16	3.94	3.62
20	2.89	2.61	3.65	3.17	4.22	3.52	4.72	....	4.00	5.06	3.86	3.71
25	2.85	2.90	3.53	3.18	4.04	3.48	4.33	....	3.83	4.83	3.81	3.94
Eom	2.65	3.47	3.37	3.24	3.78	3.56	4.03	+5.26	3.68	4.48	4.03	4.20

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+4.90	....	+3.63	+4.24	+3.34	+6.43	+5.66	+3.78	+3.87	+4.06	+3.57	+3.31
10	5.05	....	3.62	4.10	3.46	5.77	5.63	3.58	3.78	4.19	4.05	3.61
15	4.75	....	3.59	3.90	4.32	5.49	e5.37	3.75	3.67	3.90	3.88	3.75
20	4.43	....	3.52	3.69	4.36	4.95	e4.88	3.70	3.52	3.98	3.61	4.08
25	4.45	....	3.82	3.56	6.87	4.96	e4.42	3.47	3.35	3.81	3.40	3.87
Eom	4.30	+3.66	4.20	3.42	6.98	5.18	4.06	3.33	3.38	3.61	3.32	3.93

e Estimated.

G72. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3, T. 52 S., R. 39 E. Dug observation water-table well in oolitic limestone of Biscayne aquifer, diam 8 in., depth 5 ft, cased to 4. Lsd 5.75 ft above msl. MP top of casing, 4.00 ft above lsd. Highest water level 9.38 above msl, Oct. 11, 1947; lowest 1.14 above msl, June 5, 1945. Records available: 1940-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+5.48	+5.62	+3.82	....	+3.28	+4.35	+5.15	+4.39	....	+5.53	+5.83	+5.70
10	5.37	....	3.49	....	4.18	4.76	5.18	4.98	+5.46	5.49	5.84	e5.66
15	5.24	....	3.36	....	4.02	4.70	5.41	4.60	5.44	5.71	5.82	5.64
20	5.03	....	3.19	+3.27	3.85	4.37	5.41	5.27	5.41	5.76	5.80	5.60
25	e5.60	....	3.06	3.00	3.61	4.41	5.32	5.34	5.37	5.79	5.78	5.55
Eom	5.63	4.13	....	3.65	3.29	5.13	4.96	....	5.51	5.82	e5.74	5.47

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+5.37	+4.27	+5.06	+3.84	....	+5.79	+5.93	+5.81	+6.12	....	+6.37	+6.33
10	5.24	4.13	5.17	3.66	+5.20	5.80	5.76	5.80	6.11	....	6.36	6.28
15	5.07	3.77	4.64	4.28	5.31	5.79	5.78	5.82	6.16	....	6.34	6.26
20	4.91	4.10	4.38	5.58	5.34	5.78	5.84	5.83	6.17	....	6.32	6.25
25	4.82	5.04	4.12	5.17	5.22	5.79	5.78	5.98	6.18	+6.42	6.32	6.34
Eom	4.50	5.24	3.91	5.34	5.67	5.82	5.77	6.02	6.20	6.39	6.47	6.34

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+6.41	+6.44	+6.47	+6.40	+6.16	+6.42	+6.43	+6.37	+6.43	+6.37	+6.26	+6.18
10	6.37	6.46	6.45	6.37	6.10	6.40	6.42	6.50	6.47	6.35	6.25	6.16
15	6.35	6.46	6.45	6.36	6.15	6.41	6.39	6.48	6.47	6.32	6.17	6.15
20	6.35	6.45	6.41	6.19	6.14	6.35	6.38	6.38	6.40	6.35	6.18	6.16
25	6.45	6.45	6.51	6.10	6.49	6.38	6.34	6.38	6.42	6.30	6.17	6.13
Eom	6.46	6.47	6.43	6.05	6.45	6.44	6.35	6.40	6.37	6.27	6.20	6.15

e Estimated.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

G350. U. S. Geol. Survey. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, T. 54 S., R. 40 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 4 in, depth 15 ft, cased to 10. Lsd 7.48 ft above msl. MP top of casing, 1.70 ft above lsd. Highest water level 8.85 above msl, Oct. 14, 1947; lowest 0.61 above msl, June 20-23, 1945. Records available: 1944-57. Measurement discontinued.

Day	Highest water level for the day, above msl, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.83	+2.81	+2.55	+2.28	+2.29	....	+1.32	+1.25	....	+2.94	+3.20	+3.19
10	2.89	2.73	2.66	2.86	2.76	....	1.43	....	....	2.92	3.19	3.25
15	2.82	2.77	2.67	2.72	2.78	....	1.43	....	....	....	3.14	3.17
20	2.84	2.70	2.64	2.70	2.67	....	1.38	....	....	....	3.18	3.12
25	2.93	2.69	2.58	2.52	2.55	....	1.30	....	....	....	3.11	3.12
Eom	2.90	2.63	2.43	2.47	2.50	+1.45	1.09	....	....	....	3.09	3.08
1957												
5	+3.03	+2.93	+3.30	....	+3.60	+3.17	+3.42	+3.02	+2.84	+3.25	+2.82	+2.78
10	3.02	2.89	3.19	....	3.28	3.16	3.17	2.95	2.51	3.70	....	2.85
15	3.03	2.86	3.24	....	3.23	3.06	3.45	2.73	2.53	3.57	....	3.17
20	3.03	3.03	3.11	....	....	3.19	....	3.29	2.48	3.47	....	3.23
25	3.03	3.15	3.06	....	....	3.25	....	3.26	2.69	3.30	....	3.40
Eom	2.98	3.32	3.01	+3.17	3.21	3.29	2.82	3.36	2.65	2.99	2.93	....

G476. U. S. Geol. Survey. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 55 S., R. 40 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in, depth 24 ft, cased to 19. Lsd 12.15 ft above msl. MP top of casing, 2.70 ft above lsd. Highest water level 6.55 above msl, Sept. 24, 1948; lowest 0.18 above msl, June 29, 1950. Records available: 1947-58. Affected by tides in Biscayne Bay.

Day	Mean water level for the day, above msl, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+0.94	+0.64	+0.55	+0.73	+0.61	+0.77	+0.71	+0.82	....	e+1.52	+2.48	+0.87
10	1.35	.82	.55	.99	1.04	1.13	.89	.63	....	1.43	1.90	.69
15	1.32	.87	.74	1.05	1.01	1.15	.62	.45	....	....	1.78	.79
20	1.00	.84	.65	.74	.83	.91	.48	.75	....	....	1.82	.75
25	.89	1.15	1.04	.60	.85	.57	.77	.99	1.22	....	1.55	.58
Eom	.91	.65	.76	.64	.88	.73	.64	1.09	....	2.39	1.23	.52
1957												
5	+0.59	+0.70	+1.55	+0.98	+1.39	+1.42	+1.22	+1.13	+1.97	+2.27	+1.95	+1.40
10	.53	.67	1.24	.98	1.65	1.07	1.27	....	1.70	....	1.98	1.47
15	.62	1.07	1.30	.96	1.39	1.41	1.45	1.52	1.67	2.28	1.97	1.28
20	.97	1.10	1.28	1.18	1.47	1.47	1.25	1.48	1.62	2.17	1.62	1.27
25	.57	1.50	1.33	1.15	1.32	1.31	1.22	2.08	1.97	2.07	1.63	1.65
Eom	.62	1.67	1.30	1.23	1.32	1.22	1.39	2.25	2.07	1.95	1.48	1.45
1958												
5	+2.27	+1.01	+1.18	+1.59	+1.07	....	+1.97	+1.25	+1.64	+1.48	+1.62	+1.61
10	1.80	1.18	1.22	1.35	.88	e+2.46	1.84	1.16	1.51	2.30	1.63	1.33
15	1.68	1.04	.97	1.17	1.44	1.90	1.65	1.36	1.83	2.42	1.54	1.73
20	1.57	.85	1.02	1.22	1.47	1.60	1.48	1.36	1.62	2.07	1.32	1.93
25	1.43	.93	1.18	.89	e3.57	1.57	1.28	1.05	1.61	2.13	1.56	1.51
Eom	1.35	.85	1.42	.95	3.27	1.79	1.21	1.23	1.63	e1.81	1.49	1.70

e Estimated.

Day	Highest water level for the day, above msl, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.63	+1.30	+0.93	+0.58	e-0.35	+0.55	+0.64	+0.66	+1.78	+1.90	+2.53	+1.49
10	1.52	1.26	.83	e1.35	1.65	.86	.60	.81	2.30	1.87	2.31	1.37
15	1.60	1.52	.74	.88	1.10	.85	1.14	.37	2.13	3.46	2.07	1.34
20	1.45	1.27	.67	.85	.92	.75	....	.81	4.22	e2.87	2.13	1.26
25	1.75	1.15	.82	.52	.75	.56	1.06	1.61	1.80	e2.58	1.89	1.17
Eom	1.40	1.05	.66	.45	.67	.59	.77	1.86	2.00	2.36	1.71	1.26

e Estimated.

G518. U. S. Geol. Survey. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, T. 56 S., R. 40 E. Drilled test water-table well in limestone of Biscayne aquifer, diam 4 in, depth 75 ft, cased to 73. Lsd 5.65 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 4.77 above msl, Oct. 7-8, 1953; lowest 0.35 above msl, Aug. 15-16, 1956. Records available: 1947-58. Affected by tides in Goulds Canal. Measurement discontinued.

G518--Continued.

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.12	+0.76	....	+1.13	+2.26	+1.98	+1.82	+2.83	+3.35	....	+2.44	+1.98
10	1.00	.65	....	1.18	2.60	1.77	1.67	2.73	2.94	....	2.55	2.22
15	....	.72	....	1.36	2.83	1.85	2.45	2.37	3.45	....	2.55	2.01
20	1.04	1.20	....	1.65	2.77	2.00	2.30	e2.84	3.14	....	2.84	2.08
25	1.15	2.45	....	1.51	2.30	1.92	2.53	....	3.13	+2.85	2.29	....
Eom	.98	2.94	+1.23	1.69	2.05	2.00	2.50	e3.50	2.73	2.61	2.05	2.15

1958

5	....	+1.80	+1.82	+2.08	+1.79	....	....	....	....	....	....	....
10	+2.49	1.92	1.65	1.80	1.60	....	....	....	....	....	....	....
15	2.32	2.13	1.63	1.71	....	....	....	....	....	....	....	....
20	2.09	1.65	1.57	1.59	2.21	....	....	....	....	....	....	....
25	2.53	1.57	2.38	1.51	....	....	....	....	....	....	....	....
Eom	2.02	1.76	2.81	1.45	3.83	....	....	....	....	....	....	....

e Estimated.

G551. City of Miami. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 54 S., R. 39 E. Drilled test water-table well in limestone of Biscayne aquifer, diam 24 to 18 in, depth 80 ft, cased to 71, slotted 29-71. Lsd 8.04 ft above msl. MP top of casing, 0.58 ft above lsd. Highest water level 8.77 above msl, Oct. 5, 1948; lowest 1.56 above msl, Aug. 14-15, 1956. Records available: 1947-58. Affected by pumping in city of Miami well field.

Lowest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+4.21	+3.91	+3.11	+1.93	+2.09	+1.92	+2.10	+1.74	....	+3.63	+4.56	....
10	.17	3.83	2.94	1.79	2.28	....	2.36	1.59	....	....	4.24	....
15	4.13	3.68	2.90	2.38	2.37	....	....	1.56	....	....	4.01	....
20	3.96	3.59	2.60	2.33	2.38	....	....	2.27	....	....	....	+3.82
25	4.21	3.60	2.56	2.20	2.15	1.61	....	2.62	....	....	....	3.55
Eom	3.96	3.42	2.26	2.25	1.92	1.99	2.07	3.04	e3.48	4.68	....	3.67

1957

5	+3.37	+2.66	+3.43	+3.17	+4.85	+4.08	+4.17	+4.59	+5.33	+5.62	+5.15	+5.05
10	3.27	2.48	4.08	2.87	4.37	4.00	4.35	5.13	4.97	5.68	5.02	4.82
15	3.06	2.38	3.55	3.06	4.28	3.87	5.18	4.55	5.56	5.66	4.81	4.78
20	3.06	2.30	3.48	3.10	4.22	3.95	5.50	4.78	5.22	6.24	4.62	4.61
25	3.36	2.75	3.31	3.33	4.20	4.04	4.95	5.30	4.53	5.76	4.75	5.22
Eom	2.80	3.44	3.32	3.33	3.84	4.04	4.60	5.66	4.77	5.29	4.76	5.38

1958

5	+6.13	+5.14	+4.63	+5.03	+3.95	+7.25	....	+4.39	+5.12	+4.38	+4.47	+3.81
10	6.01	5.17	4.54	4.85	4.27	6.36	+7.55	4.45	4.59	4.58	4.65	4.45
15	5.52	5.00	4.47	4.65	5.57	6.25	....	4.80	4.35	4.24	4.34	e4.40
20	5.35	4.92	4.37	4.57	5.11	5.35	....	4.43	4.03	4.62	3.82	e4.80
25	5.60	4.65	4.43	4.18	8.16	....	e5.10	4.20	3.75	4.42	3.82	e4.25
Eom	5.21	4.54	5.57	3.92	7.95	....	4.80	3.88	3.72	3.99	3.97	e4.55

e Estimated.

G553. City of Miami. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 55 S., R. 40 E. Drilled test water-table well in limestone of Biscayne aquifer, diam 24 to 18 in, depth 91 ft, cased to 79, slotted 36-79. Lsd 12.11 ft above msl. MP top of 24-in casing, 0.30 ft above lsd. Highest water level 11.06 above msl, Oct. 5, 1948; lowest 1.44 above msl, Aug. 15-16, 1956. Records available: 1947-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+3.79	+3.37	+2.87	+2.05	+1.77	+1.71	+1.72	+1.63	+1.99	+2.90	+5.06	+3.63
10	3.67	3.27	2.74	2.02	1.98	1.76	1.73	1.54	2.17	3.20	4.82	3.48
15	3.56	3.27	2.60	2.03	2.04	1.83	1.71	1.45	2.28	3.94	4.51	3.36
20	3.45	3.17	2.45	1.97	2.02	1.83	1.77	1.52	2.43	4.30	4.24	3.23
25	3.58	3.07	2.33	1.88	1.93	1.75	1.79	1.72	2.65	5.68	4.01	3.10
Eom	3.47	2.99	2.18	1.85	1.81	1.70	1.75	1.88	2.75	5.49	3.82	2.96

1957

5	+2.86	+2.30	+3.77	+3.31	+3.80	+4.08	+4.25	+4.70	+6.05	+6.18	+5.70	+4.32
10	2.76	2.24	4.08	3.14	4.20	3.97	4.17	4.80	5.83	6.49	5.31	4.20
15	2.66	2.13	3.98	2.99	4.28	4.25	4.14	4.67	5.74	6.73	5.00	4.06
20	2.56	2.08	3.82	2.90	4.35	4.42	4.27	4.46	5.68	6.89	4.75	3.98
25	2.51	2.40	3.68	2.85	4.38	4.40	4.57	5.01	5.40	6.68	4.63	4.39
Eom	2.40	3.40	3.47	2.83	4.14	4.24	4.60	5.98	5.35	6.12	4.50	4.55

G553--Continued.

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+5.98	+5.22	+4.34	+4.87	+3.58	+7.99	+7.34	+5.28	+4.52	+4.46	+4.63	+3.79
10	6.23	5.12	4.20	4.72	3.50	7.58	7.38	4.85	4.52	5.25	4.62	3.91
15	6.05	4.93	4.09	4.51	4.51	7.34	7.21	4.85	4.47	4.89	4.53	4.20
20	5.70	4.73	3.96	4.27	4.87	6.84	6.78	4.66	4.18	5.18	4.29	4.97
25	5.76	4.55	4.03	4.03	8.66	6.70	6.32	4.30	3.93	4.96	4.10	4.91
Eom	5.54	4.47	4.76	3.79	8.38	6.95	5.78	3.95	3.75	4.72	3.95	4.97

G580. U. S. Geol. Survey. Northwest corner of Ludlum Rd. and Killian Dr. $SE_4^1NW_4^1$ (previously reported as $SE_4^1NE_4^1$) sec. 11, T. 55 S., R. 40 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam $2\frac{1}{2}$ in., depth 100 ft, cased to 95. Lsd 9.20 ft above msl. MP top of casing, 3.05 ft above lsd. Highest water level 7.53 above msl, May 24, 1958; lowest 1.10 above msl, July 1-2, 1952. Records available: 1949-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.43	+2.07	+1.79	e1.29	+1.18	+1.34	+1.64	+1.44	....	+3.36	+3.86	e2.70
10	2.34	1.92	1.66	1.38	1.47	....	1.62	1.34	....	3.12	3.63	e2.56
15	2.33	....	1.50	1.49	1.56	1.67	1.61	1.17	....	3.53	3.36	e2.41
20	2.28	....	1.46	1.49	1.53	1.61	1.73	1.35	+3.07	3.45	3.11	e2.27
25	2.30	....	1.46	1.40	1.43	1.42	1.78	1.62	....	4.92	2.97	e2.13
Eom	2.19	1.89	1.39	1.28	1.38	1.39	1.61	....	3.08	4.30	e2.84	e2.00

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.94	+1.63	+3.17	+2.48	+2.74	+2.63	+2.65	e2.46	....	+3.95	+3.36	e2.72
10	1.88	1.59	3.29	2.27	2.70	2.56	2.63	e2.32	....	4.16	3.18	2.63
15	1.82	1.58	3.04	2.22	2.70	2.73	e2.57	2.23	....	4.40	3.12	e2.55
20	1.81	1.72	3.01	2.14	2.87	2.93	e2.42	2.25	....	4.28	2.94	e2.52
25	1.80	2.37	2.81	1.99	2.81	2.83	2.24	2.85	....	3.99	2.86	2.82
Eom	1.67	3.38	2.53	2.17	2.63	e2.78	2.51	....	+3.03	3.53	2.82	2.78

e Estimated.

G595. U. S. Geol. Survey. NW 1_4 NW 1_4 sec. 34, T. 54 S., R. 40 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in., depth 14 ft, cased to 11. Lsd 8.80 ft above msl. MP top of casing, 2.69 ft above lsd. Highest water level 9.12 above msl, Oct. 5, 1952; lowest 0.77 above msl, Jan. 27, 1957. Records available: 1949-58. Affected by nearby wells being pumped.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+3.83	+3.52	+2.96	+2.05	+2.22	....	+2.46	+2.20	+3.60	+3.85	....	+3.48
10	3.73	e2.99	2.53	2.69	2.06	4.57	4.19	2.52	2.76	3.54	3.07	2.71
15	3.39	e2.86	2.51	2.57	2.87	4.09	3.92	2.41	2.69	3.26	2.95	2.91
20	....	e2.74	2.38	2.37	2.89	3.51	3.55	2.36	2.63	3.48	2.85	3.55
25	3.27	e2.62	2.75	2.18	7.51	3.45	3.11	2.14	2.47	3.37	e2.76	3.39
Eom	3.20	2.55	2.92	2.08	6.47	3.73	2.70	1.96	2.37	3.19	e2.69	3.50

e Estimated.

G595. U. S. Geol. Survey. NW 1_4 NW 1_4 sec. 34, T. 54 S., R. 40 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in., depth 14 ft, cased to 11. Lsd 8.80 ft above msl. MP top of casing, 2.69 ft above lsd. Highest water level 9.12 above msl, Oct. 5, 1952; lowest 0.77 above msl, Jan. 27, 1957. Records available: 1949-58. Affected by nearby wells being pumped.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.58	+2.43	+3.59	+3.33	+4.22	+3.76	+3.88	....	+4.83	+4.77	+4.39	+3.26
10	2.80	2.38	3.81	3.22	4.05	3.75	3.84	....	4.49	4.81	4.27	3.80
15	2.96	2.24	3.71	3.22	4.00	3.65	4.90	....	4.26	5.49	4.18	....
20	2.94	2.53	3.65	3.23	4.27	3.67	4.57	....	4.13	5.39	4.07	....
25	1.81	2.81	3.57	3.34	3.98	3.63	4.29	....	4.00	5.00	4.06	....
Eom	2.17	3.58	3.35	3.43	3.84	3.68	4.07	+5.46	3.88	4.63	4.20	4.43

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.58	+2.43	+3.59	+3.33	+4.22	+3.76	+3.88	....	+4.83	+4.77	+4.39	+3.26
10	2.80	2.38	3.81	3.22	4.05	3.75	3.84	....	4.49	4.81	4.27	3.80
15	2.96	2.24	3.71	3.22	4.00	3.65	4.90	....	4.26	5.49	4.18	....
20	2.94	2.53	3.65	3.23	4.27	3.67	4.57	....	4.13	5.39	4.07	....
25	1.81	2.81	3.57	3.34	3.98	3.63	4.29	....	4.00	5.00	4.06	....
Eom	2.17	3.58	3.35	3.43	3.84	3.68	4.07	+5.46	3.88	4.63	4.20	4.43

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+5.20	+4.25	+3.93	+4.47	+3.64	+6.52	+5.99	+3.82	+4.27	+5.33	+3.18	+3.44
10	5.13	4.19	3.90	4.26	3.80	5.80	6.28	3.66	....	4.40	4.79	3.73
15	4.80	4.05	3.85	4.08	5.29	5.52	5.49	3.89	....	3.92	4.00	3.90
20	4.56	3.99	3.73	3.90	4.62	4.85	4.93	3.72	....	4.15	3.71	4.24
25	4.68	3.92	4.00	3.78	7.88	4.83	4.46	3.51	....	3.83	3.55	3.96
Eom	4.42	3.86	4.56	3.67	7.05	5.49	4.06	3.51	3.78	3.80	e3.53	4.05

e Estimated.

G596. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 55 S., R. 38 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in, depth 13 ft, cased to 11. Lsd 7.70 ft above msl. MP top of casing, 2.62 ft above lsd (since Feb. 17, 1957). Highest water level 8.37 above msl, May 25, 1958; lowest 3.16 above msl, May 28, 1952. Records available: 1949-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+6.23	.....	.....	.....	+3.68	.....	.....	+4.09	.....	e+6.64	e+6.93	+6.17
10	6.10	.....	.....	.....	.....	.....	.....	4.77	.....	6.32	e6.80	6.04
15	5.95	.....	.....	+4.52	.....	.....	.....	4.30	.....	e7.30	e6.68	5.93
20	.....	.....	.....	4.28	.....	.....	.....	4.55	.....	e7.07	e6.55	5.82
25	.....	.....	.....	3.96	.....	+3.42	+4.60	5.13	+5.93	e7.98	e6.42	5.68
Eom	.....	.....	.....	3.97	3.51	4.12	4.30	.....	e6.50	7.10	6.30	e5.51
1957												
5	+5.37	+4.53	....	+4.94	+6.83	+6.60	+6.34	+7.42	+7.15	+7.64	+7.66	+7.34
10	5.24	4.33	....	4.60	6.38	6.42	5.98	6.83	6.82	7.70	7.58	....
15	5.10	4.14	+5.01	4.61	6.48	6.41	6.87	6.66	7.59	7.76	7.49	....
20	4.97	....	4.91	....	6.89	6.11	6.92	6.53	7.33	7.80	7.48	....
25	4.84	....	4.84	....	6.43	5.95	6.72	7.04	7.01	7.70	7.44	....
Eom	4.72	....	4.52	6.77	6.74	6.67	6.70	7.27	7.45	7.70	7.40	7.53
1958												
5	7.82	+7.65	+7.62	+7.66	+7.11	+7.94	+8.11	+7.35	+7.50	+7.50	....	+6.48
10	.79	7.74	....	7.52	6.86	7.78	8.04	7.70	7.39	....	....	6.72
15	7.64	7.73	....	7.45	....	7.81	7.93	7.66	7.26	....	....	6.87
20	7.60	7.75	....	7.37	7.28	7.73	7.81	7.42	7.04	....	....	6.86
25	7.68	7.66	....	7.25	8.37	7.76	7.73	7.23	6.94	....	....	....
Eom	7.61	7.59	....	7.02	8.13	7.91	7.59	7.39	7.20	7.28	e6.55	e6.65

e Estimated.

G613. U. S. Geol. Survey. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3, T. 58 S., R. 38 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in, depth 21 ft, cased to 18. Lsd 5.00 ft above msl. MP top of casing, 4.06 ft above lsd. Highest water level 5.82 above msl, May 30, 1954; lowest 0.64 below msl, Apr. 8-9, 1956. Records available: 1950-58.

Highest water level for the day, above and below msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.67	+0.93	+0.35	-0.52	-0.49	-0.25	+1.35	+0.80	+2.54	+2.80	+2.41	+1.40
10	1.55	.88	.20	.23	.02	.15	1.18	.94	2.88	2.60	2.12	1.28
15	1.43	1.18	.04	.06	.07	-.05	1.71	.85	2.53	3.52	1.88	1.21
20	1.37	.98	-.14	.36	.01	+.05	1.68	1.94	2.93	2.80	1.81	1.14
25	1.37	.72	.24	.58	-.16	.27	1.43	2.29	3.04	3.12	1.69	1.03
Eom	1.06	.52	.38	.23	.14	.94	1.03	2.08	3.19	2.79	1.58	1.05
1957												
5	+0.88	+0.35	+1.77	+1.72	+2.25	+2.57	+2.25	+2.49	+3.34	+3.42	+2.60	+2.22
10	.75	.29	1.75	1.55	2.28	2.13	1.92	2.81	3.06	3.22	2.41	2.09
15	.64	.13	-.75	1.38	2.53	1.83	2.49	2.48	3.45	3.30	2.26	1.93
20	.59	.67	1.60	2.02	2.60	1.80	2.43	2.75	3.44	3.35	3.33	1.90
25	.58	1.10	1.36	1.73	2.24	1.78	2.38	3.25	3.12	3.10	2.85	2.10
Eom	.45	2.15	1.12	2.20	2.30	1.90	2.39	3.65	3.10	2.83	2.52	2.32
1958												
5	+3.33	+2.43	+2.07	+2.80	+1.25	+3.47	+4.13	+2.68	+2.89	+3.45	+2.94	+2.53
10	3.10	2.57	1.96	2.46	1.03	4.40	3.83	3.50	2.96	3.42	2.62	2.38
15	2.78	2.45	1.98	2.29	1.53	3.64	3.55	3.24	3.63	2.97	2.39	2.47
20	2.56	2.30	2.03	2.02	1.48	3.44	3.27	2.85	3.07	3.23	2.27	2.72
25	3.10	2.14	2.38	1.77	5.01	3.56	3.23	3.18	3.12	2.93	2.29	2.42
Eom	2.69	2.07	3.28	1.50	3.90	3.62	2.88	3.02	3.23	3.23	2.80	2.35

G614. U. S. Geol. Survey. Southeast corner of Newton Rd. and Silver Palm Dr. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 56 S., R. 39 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in, depth 20 ft, cased to 18. Lsd 11.10 ft above msl. MP top of casing, 3.05 ft above lsd. Highest water level 8.83 above msl, Oct. 8, 1953; lowest 0.90 above msl, May 8, 1956. Records available: 1950-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.95	+2.57	+2.20	+1.22	+0.98	+1.14	+1.27	+1.68	+2.65	+4.68	+4.31	+2.95
10	2.80	2.49	2.03	1.06	1.35	1.02	1.46	1.55	3.06	4.31	4.00	2.77
15	2.69	2.58	1.86	1.18	1.57	.97	1.77	1.46	3.17	5.16	3.74	2.61
20	2.60	2.57	1.69	1.20	1.52	1.01	1.92	1.58	3.58	5.22	3.48	2.47
25	2.70	2.43	1.55	1.08	1.42	.95	1.96	1.86	3.87	4.91	3.31	2.35
Eom	2.68	2.35	1.36	1.04	1.31	1.04	1.86	2.26	4.98	4.66	3.14	2.21

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

G614--Continued.

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.12	+1.59	+2.70	+2.67	+3.48	+4.21	+3.92	+4.68	....	+6.21	+4.86	+3.96
10	2.00	1.47	2.90	2.72	3.90	4.02	3.87	4.89	....	6.40	4.54	3.79
15	1.90	1.35	2.87	2.72	4.15	4.00	4.74	4.82	....	6.11	4.29	3.66
20	1.79	1.27	2.83	2.67	5.16	3.84	4.67	5.70	....	6.02	4.17	3.56
25	1.76	1.52	2.72	2.97	5.08	3.71	4.62	6.31	....	5.71	4.27	4.86
Eom	1.68	2.25	2.55	3.04	4.54	3.54	4.53	....	+5.49	5.25	4.13	5.12

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	e+6.07	+4.72	+3.99	+4.85	+3.23	+7.17	+7.95	+5.02	+4.46	+4.60	+4.47	+3.58
10	6.11	4.62	3.91	4.62	3.19	6.48	7.22	4.73	4.42	5.12	4.26	3.52
15	5.66	4.49	3.81	4.31	....	6.15	6.76	4.92	4.40	4.95	4.01	3.60
20	5.20	4.32	3.68	4.01	....	5.62	6.26	4.81	4.28	4.87	3.77	4.27
25	5.28	4.14	3.69	3.73	....	5.72	5.89	4.52	4.24	4.79	3.59	4.23
Eom	5.05	4.04	4.56	3.48	7.79	6.70	5.53	4.22	4.15	4.46	3.58	4.05

e Estimated.

G615. U. S. Geol. Survey. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 52 S., R. 41 E. Drilled observation water-table well in sand of Biscayne aquifer, diam 6 in, depth 24 ft, cased to 22, gravel-packed 17-24. Lsd 5.50 ft above msl. MP top of casing, 3.51 ft above lsd. Highest water level 6.65 above msl, Nov. 24, 1950; lowest 0.87 above msl, May 16, 1955. Records available: 1950-58.

Day	Highest water level for the day, above msl, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.77	+2.82	e+2.05	+1.33	+1.14	+1.94	+2.47	+2.13	+3.21	+2.82	....	+2.59
10	2.54	e+2.73	e+1.91	1.23	2.02	2.09	2.47	2.02	3.57	2.75	....	2.58
15	2.44	e+2.60	e+1.78	1.47	2.10	2.21	3.05	1.87	2.85	....	....	2.59
20	2.36	e+2.47	e+1.66	1.40	1.92	2.02	3.51	3.09	3.66	....	....	2.55
25	3.13	e+2.32	e+1.55	1.27	1.78	2.03	2.87	2.79	2.92	....	....	2.43
Eom	2.93	e+2.19	1.43	1.20	2.00	2.12	2.39	2.80	3.55	....	+2.66	2.37

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.30	+1.97	+2.91	+2.56	+3.42	+2.80	+2.86	+3.08	+2.78	+2.92	+2.78	....
10	2.23	1.90	3.04	2.35	2.90	2.69	2.67	3.05	2.35	3.38	2.89	....
15	2.15	1.81	3.30	2.37	2.70	2.45	3.13	3.22	2.80	2.89	2.92	....
20	2.09	1.88	3.36	4.60	2.74	2.38	2.65	3.37	2.73	2.70	2.96	....
25	2.10	2.20	3.15	3.39	2.58	2.35	2.65	4.36	2.42	2.50	3.18	....
Eom	2.05	2.78	3.90	2.25	2.66	2.51	3.17	2.64	2.65	4.28	-3.12	....

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+4.11	+2.47	+2.71	+2.60	+2.08	....	+3.04	+2.18	+2.94	+3.05	+2.70	+2.86
10	....	2.48	2.68	2.30	2.38	....	2.65	2.50	2.62	2.56	2.82	2.80
15	....	2.39	2.79	2.10	3.03	....	2.55	2.25	2.56	2.30	2.75	2.72
20	....	2.53	2.55	2.01	2.54	....	2.36	1.97	2.36	2.77	2.68	2.55
25	....	2.65	2.69	1.85	5.32	+2.45	2.25	2.12	2.32	2.51	2.60	....
Eom	2.72	2.76	3.25	1.87	....	3.34	2.23	2.18	2.62	2.60	2.90	e2.60

e Estimated.

G618. U. S. Geol. Survey. On U. S. Highway 41. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 54 S., R. 37 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in, depth 20 ft, cased to 11. Lsd 7.40 ft above msl. MP top of casing, 2.75 ft above lsd. Highest water level 8.55 above msl, Nov. 17, 1953; lowest 3.49 above msl, June 5, 1951. Records available: 1950-58.

Day	Highest water level for the day, above msl, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+6.76	+6.55	+6.13	+4.35	e+4.25	+4.03	+6.20	+5.28	+6.23	....	+6.94	+6.67
10	6.70	6.50	5.97	5.21	5.30	4.26	6.17	5.01	6.31	....	6.89	6.64
15	6.63	6.49	5.70	4.95	4.92	4.11	6.19	4.82	6.25	....	6.82	6.61
20	6.58	6.44	5.37	4.70	4.35	3.85	6.12	5.19	6.25	....	6.79	6.57
25	6.66	6.33	5.09	5.03	4.10	3.93	5.88	5.54	6.23	....	6.74	6.50
Eom	6.58	6.26	4.71	e+4.72	3.73	4.96	5.66	5.93	....	+7.00	6.70	6.43

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+6.38	+5.86	+6.00	+5.33	+6.65	....	....	+6.35	+7.06	+7.86	+8.29	+7.92
10	6.32	5.69	5.99	5.75	6.62	....	....	7.13	8.06	8.23	7.86	....
15	6.26	5.45	5.98	5.61	6.86	....	....	7.40	8.29	8.16	7.79	....
20	6.19	5.57	5.86	6.42	6.85	....	....	7.52	8.37	8.09	7.72	....
25	6.12	5.90	5.72	6.38	6.75	....	....	7.55	8.35	8.05	7.75	....
Eom	6.00	6.10	5.47	6.45	....	+6.32	6.98	7.59	8.33	8.00	7.84	....

e Estimated.

G318--Continued.

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+8.01	+8.20	+8.17	+8.17	+7.67	+8.22	+8.25	+7.88	+7.85	+7.75	+7.49	+7.27
10	8.06	8.28	8.12	8.08	7.66	8.09	8.28	8.02	7.78	7.75	7.45	7.26
15	8.02	8.32	8.09	8.01	7.75	8.11	8.23	8.00	7.73	7.67	7.40	7.23
20	7.98	8.30	8.03	7.92	7.68	8.00	8.13	7.90	7.69	7.67	7.35	7.25
25	8.09	8.26	8.01	7.83	8.35	8.16	8.02	7.90	7.68	7.61	7.30	7.22
Eom	8.18	8.20	8.20	7.71	8.36	8.18	7.95	7.83	7.64	e7.54	7.31	7.23

e Estimated.

G619. U. S. Geol. Survey. On U. S. Highway 41, NW $\frac{1}{4}$ sec. 19, T. 54 S., R. 36 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in, depth 12 ft, cased to 6. Lsd 7.20 ft above msl. MP top of casing, 4.72 ft above lsd. Highest water level 8.38 above msl, Oct. 2, 1954; lowest 4.07 above msl, June 3, 1956. Records available: 1950-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+7.61	+7.28	+6.23	+4.82	+4.73	+4.66	+7.15	+6.61	+7.39	+7.72	+7.84	e7.59
10	7.52	7.14	5.98	5.61	5.52	5.97	7.25	6.36	7.65	7.78	7.78	e7.52
15	7.40	7.10	5.84	5.60	5.44	5.65	7.29	6.31	7.65	8.04	7.75	e7.45
20	7.28	6.88	5.60	5.53	5.07	5.26	7.16	7.26	7.68	7.94	7.73	e7.38
25	7.47	6.65	5.40	5.18	4.65	6.64	6.96	7.53	7.72	7.90	7.69	e7.31
Eom	7.37	6.47	5.08	5.02	4.26	6.63	6.86	7.44	7.75	7.89	7.65	7.21

1957

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+7.10	+6.20	+7.00	+6.00	+7.18	+7.55	+7.45	+7.61	....	+8.20	+8.07	+7.85
10	6.94	6.06	7.05	5.94	7.09	7.46	7.35	7.68	....	8.25	8.04	7.85
15	6.80	5.82	6.76	5.84	7.50	7.45	7.37	e7.73	....	8.18	7.99	7.81
20	6.64	6.08	e6.66	6.19	7.59	7.37	7.44	....	....	8.21	7.95	7.79
25	6.62	6.65	6.50	5.99	7.42	7.33	7.57	....	+8.05	8.18	7.92	7.80
Eom	6.38	7.17	6.12	6.91	7.35	7.38	7.68	....	....	8.09	7.91	7.90

1958

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+7.97	+8.00	+8.00	+8.00	e+7.75	+8.13	+8.26	....	+8.16	+8.03	+7.90	+7.76
10	7.98	8.00	7.95	7.96	....	e8.07	8.21	e+8.12	e8.07	8.03	7.88	7.80
15	7.96	8.03	7.97	e7.92	7.93	e8.02	8.20	e8.10	e8.01	8.00	7.81	7.78
20	7.93	8.03	7.98	e7.89	....	e7.97	8.19	....	e7.97	8.02	7.81	7.82
25	8.01	8.02	7.97	e7.86	e8.34	....	8.09	....	8.02	7.99	7.78	7.80
Eom	8.02	8.00	8.03	7.86	e8.20	8.13	7.98	....	7.94	7.95	7.73	7.82

e Estimated.

G620. U. S. Geol. Survey. Formerly owner unknown. Sec. 30, T. 55 S., R. 36 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in, depth 16 ft, cased to 6. Lsd 6.13 ft above msl. MP top of casing, 4.10 ft above lsd. Highest water level 7.11 above msl, Oct. 2-3, 1954; lowest 3.09 above msl, Apr. 9, 1956. Records available: 1950-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+5.66	+5.67	+4.87	+3.35	+4.51	+5.40	+5.11	+5.45	+5.75	+5.72	+5.90	+5.63
10	5.60	5.62	4.66	4.85	5.56	5.33	5.70	5.22	5.83	5.73	5.84	5.62
15	5.54	5.62	4.46	5.02	5.48	5.15	5.75	5.04	5.80	6.00	5.77	5.60
20	5.47	5.50	4.19	4.95	5.12	4.85	5.66	5.80	5.88	6.05	5.72	5.56
25	5.67	5.28	3.95	4.59	4.69	4.77	5.60	5.80	5.83	6.03	5.70	5.50
Eom	5.67	5.10	3.62	4.91	4.28	4.82	5.62	5.70	5.80	5.95	5.67	5.41

1957

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+5.27	+4.65	+5.58	+5.57	+5.80	+5.98	+5.70	+5.69	+6.15	+6.80	+6.71	+6.51
10	5.11	4.67	5.55	5.52	5.84	5.87	5.60	5.80	6.10	6.71	6.69	6.47
15	4.99	4.40	5.54	5.45	5.98	5.80	5.70	5.87	6.10	6.71	6.63	6.39
20	4.83	4.69	5.64	5.66	6.35	5.92	5.75	5.90	6.38	6.74	6.63	6.37
25	4.94	5.55	5.67	5.59	6.10	5.92	5.68	6.06	6.35	6.74	6.60	6.44
Eom	4.72	5.67	5.62	5.87	5.90	5.80	5.70	6.12	6.62	6.73	6.56	6.47

1958

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+6.63	+6.53	+6.55	+6.66	+6.24	+6.85	+7.01	+6.68	+6.70	+6.54	+6.27	+5.98
10	6.66	6.55	6.55	6.58	6.21	6.75	6.99	6.61	6.65	6.63	6.22	5.97
15	6.57	6.59	6.51	6.50	6.44	6.77	7.04	6.78	6.63	6.57	6.15	6.01
20	6.52	6.55	6.49	6.40	6.31	6.68	6.98	6.78	6.55	6.49	6.08	e6.08
25	6.58	6.55	6.52	6.35	....	6.78	6.82	6.75	6.48	6.40	6.03	e6.12
Eom	6.57	6.56	6.67	6.25	6.98	6.78	6.72	6.71	6.43	6.31	5.99	e6.05

e Estimated.

S18. Model Dairy. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 52 S., R. 41 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 8 in., depth 52 ft. Lsd 9.12 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 7.54 above msl, Oct. 12, 1947; lowest 0.05 above msl, June 3, 1945. Records available: 1939-58.

Highest water level for the day, above msl, from recorder graph, 1956

1957

5	e+1.80	+1.49	+2.46	+2.05	+2.45	+2.15	+2.42	+2.52	+2.12	+2.79	+2.17	e+2.57	
10	e1.72	1.47	2.40	1.91	2.26	2.08	2.21	2.40	1.80	2.78	2.25	e+2.48	
15	1.64	1.40	2.51	1.93	2.16	1.92	2.30	2.26	2.38	2.25	2.27	e+2.43	
20	e1.62	1.58	2.65	2.65	2.12	2.03	2.30	2.28	2.25	2.07	2.42	e+2.38	
25	e1.59	1.93	2.35	2.18	2.05	1.97	2.29	3.06	2.24	2.06	2.54	e+2.34	
Eom	1.54	2.44	2.16	2.40	1.94	2.07	2.26	2.63	2.41	2.13	e+2.97	2.41	

1958

+2. 1

10	2.51	2.06	2.13	1.88	1.91	1.85	2.02	2.15	....	2.16	2.25	2.45
15	2.40	2.00	2.29	1.84	2.35	1.96	2.01	el.97	....	2.10	2.25	....
20	2.33	2.04	2.10	1.73	1.98	1.96	1.93	el.77	....	2.42	2.26	....
25	2.47	....	3.02	1.62	....	2.67	1.88	el.64	e2.00	2.23	2.22	....
30m	2.21	2.14	2.27	1.60	2.69	2.61	1.85	1.91	2.03	2.25	2.41	e2.22

e Estimated.

S19. City of Miami. NW^{1/4}NE^{1/4} sec. 25, T. 53 S., R. 40 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in, depth 95 ft, cased to 91. Lsd 7.24 ft above msl. MP top of casing, 1.08 ft above lsd. Highest water level 7.63 above msl, Oct. 11, 1947; lowest 1.41 below msl, June 18-21, 1945. Records available: 1939-58. Affected by nearby wells being pumped.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+0.77	+1.11	+1.13	+0.71	+1.20	+1.77	+1.18	+0.56	+2.08	+1.11	+1.79	+1.21
10	.32	....	.85	1.25	1.81	1.92	1.12	.58	1.91	1.26	1.55	1.09
15	1.24	....	....	1.89	1.86	1.50	.68	.70	1.64	2.88	1.31	1.33
20	1.03	....	....	1.89	2.03	1.43	.78	1.38	2.22	2.16	.90	1.06
25	1.26	....	....	1.49	1.58	1.41	.90	1.29	e1.65	2.03	1.03	1.28
Eom	1.27	....	....	1.66	1.65	1.64	.72	1.18	1.23	1.87	1.13	1.20

1957

5	+1.13	+0.98	+1.87	+1.24	+3.11	+0.99	+1.33	+1.62	+1.94	+2.68	+1.21	+1.29
10	1.03	.95	....	1.39	2.23	.94	.93	1.31	1.62	2.65	1.01	....
15	1.03	1.02	....	1.46	1.57	.78	2.00	1.11	1.08	2.08	.91	....
20	1.06	1.16	....	1.77	1.36	1.34	1.29	....	1.03	1.97	.78	....
25	1.13	1.32	....	1.40	.99	1.01	.98	....	.99	1.76	.99	....
Eom	.99	1.92	1.40	1.38	.99	.86	.83	2.61	1.34	1.50	1.55	....

1958

+2.5

10	....	1.08	.72	1.12	.60	1.95	1.86	.71	1.05	1.32	1.12	1.58
15	+1.58	.92	.66	1.01	1.64	1.82	1.48	1.25	1.10	1.29	.82	1.32
20	1.32	.78	.53	.72	1.19	1.37	1.24	.90	.90	1.72	.55	1.68
25	1.39	.59	1.20	.60	5.52	2.48	.85	.39	.70	1.40	.57	1.18
Eom	1.19	.60	1.47	.58	2.96	2.53	.43	.89	1.16	1.12	e1.16	1.00

e Estimated.

S88. City of Miami. In center of Parkway, 75 ft northeast of Deer Run, Miami Springs. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 53 S., R. 41 E. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in, depth 61 ft, cased to 51. Lsd 6.45 ft above msl. MP top of casing, 3.15 ft above lsd. Highest water level 7.06 above msl, Oct. 12, 1947; lowest 2.38 below msl, June 17, 1945. Records available: 1940-58. Affected by nearby wells being pumped.

Lowest water level for the day, above and below msl, from recorder graph, 1956

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-0.08	-0.08	-0.12	....	-0.24	+0.48	0.00	-0.72	+0.44	+0.18	+0.83	-0.02
10	-.34	.20	.32	-0.35	.45	.73	+.05	.82	1.58	.29	.45	.11
15	+.51	-.09	.35	+.69	.91	.51	-.26	-.71	1.18	1.37	+.16	.26
20	-.06	+.01	.46	1.12	.75	.43	.40	+.05	1.27	.91	-.28	.36
25	+.15	.28	.65	.39	.20	.16	.18	.42	.78	.90	-.05	-.01
Eom.	+.18	.23	.56	.45	.39	.32	.36	.18	.32	.72	+.02	.38

S68--Continued.

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-0.35	-0.53	+0.45	+0.06	+2.25	-0.12	-0.03	-0.07	+1.01	+1.41	+0.22	+0.23
10	.31	.18	.97	-.07	1.39	.35	-.31	.27	.42	1.55	-.57	.41
15	.49	.20	.57	-.05	1.05	-.55	+1.30	.12	.33	1.07	.67	-.08
20	.38	-.13	.68	+.37	+.58	+.03	.63	.04	+.42	.96	.93	-.46
25	.36	+.03	.72	+.11	-.10	-.36	+.28	.88	-.15	.73	-.22	+.03
Eom	.32	.83	.37	-.25	-.27	-.42	-.13	1.55	+.26	.26	+.58	-.05

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.23	-0.40	-1.17	....	-1.24	+1.25	+1.82	-0.94	+0.27	+0.02	-0.30	....
10	1.06	.51	.43	....	-.57	.63	1.16	.22	-.26	+.15	.20	....
15	.62	.55	.84	....	+.51	+.07	+.67	.32	.04	-.28	.37	....
20	.25	.88	1.07	....	-.33	-.45	-.18	.39	.62	+.29	.77	....
25	+.11	.93	.92	-1.07	+3.20	+1.42	.60	1.03	.49	-.06	-.66	....
Eom	-.33	1.01	....	-1.30	+2.03	+1.63	.75	.71	.17	+.25	+.32	....

S182. International Fruit Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 56 S., R. 40 E. Drilled unused water-table well in limestone of Biscayne aquifer, diam 6 in, depth 51 ft. Lsd 11.14 ft above msl. MP top of casing, 3.14 ft above lsd. Highest water level 10.06 above msl, Oct. 5, 1948; lowest 0.44 below msl, June 20-22, 1945. Records available: 1940-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.90	+2.43	+1.63	+1.33	+1.26	+1.25	+1.17	+1.67	+2.99	+4.33	+3.24
10	2.82	2.31	1.53	1.51	1.44	1.19	1.13	1.69	3.10	4.21	3.06
15	2.92	2.16	1.73	1.64	1.53	1.22	1.05	2.03	3.83	3.99	2.92
20	2.80	2.00	1.64	1.63	1.55	1.34	1.13	2.30	4.09	3.78	2.78
25	2.67	1.90	1.48	1.53	1.43	1.36	1.42	2.57	4.38	3.61	2.65
Eom	+3.04	2.55	1.75	1.42	1.37	1.32	1.28	1.59	2.75	4.48	3.43	2.50

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.38	+1.82	+3.71	+2.80	+3.60	+4.10	+3.72	+4.73	+6.05	+6.08	+4.93	+3.86
10	2.27	1.71	3.65	2.65	4.11	3.89	3.60	4.82	5.76	6.42	4.62	3.75
15	2.15	1.60	3.45	2.57	4.25	3.79	4.02	4.55	5.89	6.17	....	3.61
20	2.05	e1.57	3.28	2.63	4.28	3.99	4.31	4.34	5.74	5.82	....	3.55
25	2.00	e2.02	3.19	2.53	4.45	3.95	4.67	5.15	5.35	5.56	....	4.51
Eom	1.90	3.77	2.96	2.50	4.23	3.75	4.57	6.15	5.64	5.22	4.08	4.65

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+5.49	+4.55	+3.84	+4.38	+3.02	+6.89	+7.00	+4.41	+3.71	+3.76	+3.63	+3.26
10	5.43	4.58	3.73	4.18	2.98	6.06	6.52	4.20	3.63	3.95	3.48	3.55
15	5.13	4.39	3.62	3.92	5.12	5.75	6.23	4.20	3.62	3.68	3.52	3.77
20	4.87	4.20	3.47	3.69	4.74	6.11	5.78	3.83	3.40	3.95	3.42	4.58
25	4.95	4.00	3.56	3.43	8.73	5.95	5.25	3.52	3.29	3.82	3.34	4.28
Eom	4.77	3.90	4.35	3.22	7.57	6.32	4.73	3.33	3.24	3.62	3.25	4.17

e Estimated.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.10	+1.66	+1.24	+0.28	+0.22	+0.42	+1.10	+1.36	+2.93	+4.07	+3.51	+2.19
10	1.92	1.60	1.10	.18	.52	.27	1.24	1.32	2.13	3.87	3.18	e2.03
15	1.78	1.82	.92	.42	.82	.37	.72	1.14	2.13	4.77	2.92	e1.88
20	1.72	1.76	.74	.44	.72	.42	.88	1.62	3.73	4.46	2.64	e1.72
25	1.92	1.58	.58	.26	.74	.28	.84	2.23	3.93	4.23	2.53	e1.57
Eom	1.82	1.42	.44	.30	.62	1.62	1.62	2.37	e4.75	3.92	2.36	1.43

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+1.38	+0.81	+2.05	+2.19	+3.09	+3.40	....	+3.88	+5.30	+5.00	+4.02	+3.26
10	1.27	.69	2.27	2.10	3.16	3.39	....	3.96	4.81	5.50	3.72	3.08
15	1.16	.57	2.14	2.08	3.18	3.27	....	4.06	5.39	5.79	3.52	2.96
20	1.02	.60	2.26	2.31	3.70	3.08	....	5.04	5.22	5.31	3.45	2.85
25	1.01	.96	2.09	2.75	3.82	3.00	....	5.51	4.77	4.83	3.73	3.52
Eom	.93	1.73	1.85	e2.86	3.41	....	+3.66	5.83	4.54	4.36	3.50	3.88

e Estimated.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

S196A--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+4.98	+3.80	+3.37	+4.27	+2.45	+5.73	+7.28	+4.32	+4.43	+4.46	+3.97	+3.17
10	4.96	3.94	3.24	3.92	2.39	5.13	6.17	4.16	4.10	4.97	3.67	3.13
15	4.58	3.79	3.19	3.61	3.44	5.28	5.70	4.40	4.47	4.45	3.37	3.07
20	4.20	3.59	3.07	3.31	3.44	4.72	5.27	4.28	4.11	4.47	3.08	3.74
25	4.56	3.43	3.27	3.05	7.96	5.10	5.08	4.02	3.84	4.21	2.97	3.51
Eom	4.29	3.35	4.40	2.73	6.41	5.83	4.80	3.93	3.66	4.00	e3.29	3.32

e Estimated.

Duval County

12. Jacksonville Motor Transit Co. McCoy St. and Riverside Ave., Jacksonville. T. 2 S., R. 26 E. Drilled industrial artesian well in Floridan aquifer, diam 6 in, reported depth 785 ft. Lsd 8.34 ft above msl. MP top of 6-in valve, 1.80 ft above lsd. Highest water level 32.1 above lsd, Nov. 25, 1938; lowest 15.9 above lsd, June 6, 1957. Records available: 1938, 1940-42, 1944, 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	+25.1	Nov. 5, 1956	+23.3	July 16, 1957	+17.9	Apr. 18, 1958	+26.7
Feb. 13	24.7	Dec. 17	21.7	Sept. 3	20.8	June 2	22.5
Apr. 2	19.9	Jan. 21, 1957	22.5	Oct. 21	23.9	July 17	20.4
May 14	18.1	Mar. 15	20.5	Dec. 3	24.6	Aug. 28	21.8
June 25	16.8	Apr. 25	18.3	Jan. 15, 1958	25.3	Oct. 7	22.4
Aug. 6	16.6	June 6	15.9	Mar. 6	25.6	Nov. 17	22.6
Oct. 1	20.8						

18. C. J. Price. Riverside Ave. and Lomax St., Jacksonville. T. 2 S., R. 26 E. Drilled domestic artesian well in Floridan aquifer, diam 8 in. Lsd 4.48 ft above msl. MP top of 8-in tee, 1.90 ft above lsd. Highest water level 43.2 above lsd, Nov. 26, 1938; lowest 22.5 above lsd, June 6, 1957. Records available: 1938, 1940-41, 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	+31.8	Nov. 5, 1956	+30.3	July 16, 1957	+22.6	Apr. 17, 1958	+34.0
Feb. 13	32.6	Dec. 17	28.3	Sept. 3	28.3	June 2	29.9
Apr. 2	27.4	Jan. 21, 1957	28.6	Oct. 21	30.6	July 17	28.7
May 14	26.4	Mar. 15	28.4	Dec. 3	31.9	Aug. 28	29.9
June 25	23.9	Apr. 25	24.9	Jan. 15, 1958	31.7	Oct. 7	29.9
Aug. 6	23.8	June 6	22.5	Mar. 6	32.0	Nov. 17	30.3
Oct. 1	28.0						

102. V. A. Stevens. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24, T. 2 S., R. 27 E. Drilled domestic artesian well in Floridan aquifer, diam 6 in, reported depth 875 ft, cased to 400. Lsd 53.04 ft above msl. MP top of 1-in pipe, 1.00 ft above lsd. Highest water level 6.68 above lsd, Aug. 13, 1930; lowest 15.02 below lsd, May 15, 1956. Records available: 1930-31, 1934, 1939-42, 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	9.10	Sept. 29, 1956	12.78	June 5, 1957	13.47	Apr. 17, 1958	10.63
Feb. 14	10.80	Nov. 5	10.21	July 16	11.97	June 2	12.53
Apr. 2	14.93	Dec. 18	12.33	Sept. 5	10.36	July 17	12.93
May 15	15.02	Jan. 22, 1957	11.64	Oct. 23	9.85	Aug. 28	12.43
June 25	12.05	Mar. 15	13.17	Dec. 4	9.32	Oct. 7	12.06
Aug. 6	12.62	Apr. 25	14.93	Jan. 16, 1958	9.19	Nov. 17	11.58

115. City of Jacksonville. Oxford Ave. and Baltic St., Ortega. T. 3 S., R. 26 E. Drilled unused artesian well in Floridan aquifer, diam 8 in, reported depth 729 ft, cased to 476. Lsd 16.12 ft above msl. MP top of 6-in horizontal pipe, 2.40 ft above lsd. Highest water level 40.0 above lsd, Aug. 22, 1930; lowest 14.7 above lsd, June 6, 1957. Records available: 1930-31, 1938, 1940-42, 1944-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	+24.0	Nov. 5, 1956	+21.7	July 16, 1957	+18.8	Apr. 17, 1958	+24.8
Feb. 13	23.6	Dec. 17	19.7	Sept. 3	20.3	June 2	21.6
Apr. 2	19.4	Jan. 21, 1957	20.6	Oct. 21	22.4	July 17	21.4
May 14	19.5	Mar. 15	20.4	Dec. 3	23.5	Aug. 28	21.6
June 25	17.4	Apr. 25	18.8	Jan. 15, 1958	23.1	Oct. 7	21.9
Aug. 6	17.9	June 6	14.7	Mar. 6	24.0	Nov. 17	22.1
Oct. 1	19.1						

118. City of Jacksonville. Post and Dancy Sts., Jacksonville. SE $\frac{1}{4}$ sec. 20, T. 2 S., R. 26 E. Drilled unused artesian well in Floridan aquifer, diam 6 in, reported depth 900 ft. Lsd 24.59 ft above msl. MP top of 6-in horizontal pipe, 1.80 ft above lsd. Highest water level 34.5 above lsd, Apr. 7, 1942; lowest 15.2 above lsd, July 16, 1957. Records available: 1939-58.

118--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	+21.4	Nov. 5, 1956	+18.8	July 16, 1957	+15.2	Apr. 18, 1958	+21.8
Feb. 13	21.8	Dec. 17	18.7	Sept. 3	19.3	June 2	21.0
Apr. 2	18.9	Jan. 21, 1957	18.4	Oct. 21	20.3	July 17	20.3
May 14	18.8	Mar. 16	18.9	Dec. 3	20.0	Aug. 28	21.0
June 25	16.6	Apr. 25	17.3	Jan. 15, 1958	21.2	Oct. 7	20.6
Aug. 6	16.7	June 6	16.4	Mar. 6	21.2	Nov. 17	20.4
Oct. 1	18.0						

122. City of Jacksonville. Russell and 63d Sts., Jacksonville. T. 1 S., R. 27 E. Drilled unused artesian well in Floridan aquifer, diam 8 in, reported depth 905 ft, cased to 571. Lsd 14.87 ft above msl. MP top of 6-in horizontal pipe, 1.90 ft above lsd. Highest water level 47.0 above lsd, Aug. 21, 1930; lowest 27.9 above lsd, June 5, 1957. Records available: 1930, 1938, 1940-42, 1944-58.

Jan. 4, 1956	+32.4	Nov. 6, 1956	+29.9	July 17, 1957	+29.3	Apr. 18, 1958	+32.5
Feb. 14	32.2	Dec. 18	29.1	Sept. 4	30.9	June 2	31.5
Apr. 3	30.3	Jan. 22, 1957	30.0	Oct. 22	31.0	July 18	31.1
May 15	30.0	Mar. 15	29.5	Dec. 4	31.1	Aug. 29	31.0
June 26	28.0	Apr. 25	29.2	Jan. 15, 1958	31.5	Oct. 8	30.7
Aug. 7	28.4	June 5	27.9	Mar. 6	32.1	Nov. 18	30.8
Sept. 29	28.5						

123. City of Jacksonville. Beaver and Huron Sts., Jacksonville. NE $\frac{1}{4}$ sec. 16, T. 2 S., R. 26 E. Drilled unused artesian well in Floridan aquifer, diam 10 in, reported depth 1,075 ft. Lsd 22.78 ft above msl. MP top of 6-in horizontal pipe, 2.50 ft above lsd. Highest water level 39.2 above lsd, Aug. 13, 1930; lowest 17.4 above lsd, July 16, 1957. Records available: 1930-31, 1938-58.

Jan. 3, 1956	+23.8	Nov. 5, 1956	+21.6	July 16, 1957	+17.4	Apr. 18, 1958	+24.7
Feb. 13	24.1	Dec. 17	21.3	Sept. 3	22.0	June 2	23.9
Apr. 2	22.4	Jan. 21, 1957	20.9	Oct. 21	23.1	July 17	23.2
May 14	22.0	Mar. 16	21.3	Dec. 3	23.6	Aug. 28	23.6
June 25	19.5	Apr. 25	20.8	Jan. 15, 1958	23.4	Oct. 7	23.4
Aug. 6	19.5	June 4	20.3	Mar. 6	23.8	Nov. 17	23.5
Oct. 1	20.4						

129. Jim Merrill. Ortega Blvd. and 1st St., Ortega. T. 3 S., R. 26 E. Drilled unused artesian well in Floridan aquifer, diam 4 in, depth 600 ft, cased to 470. Lsd 8.63 ft above msl. MP $\frac{1}{2}$ -in corporation cock, 1.00 ft above lsd. Highest water level 42.3 above lsd, July 9, 1940; lowest 21.0 above lsd, Aug. 22, 1955. Records available: 1940-42, 1944-58.

Jan. 3, 1956	+29.2	Nov. 5, 1956	+26.8	July 16, 1957	+22.0	Apr. 17, 1958	+32.0
Feb. 13	29.9	Dec. 17	26.4	Sept. 3	25.4	June 2	28.7
Apr. 2	26.1	Jan. 21, 1957	27.1	Oct. 21	28.7	July 17	28.5
May 14	27.0	Mar. 15	26.0	Dec. 3	30.7	Aug. 28	28.4
June 25	23.3	Apr. 25	25.4	Jan. 15, 1958	30.2	Oct. 7	29.0
Aug. 6	23.6	June 6	21.2	Mar. 6	31.0	Nov. 17	28.7
Oct. 1	25.6						

145. Duval County School Board. Oceanway School. T. 1 N., R. 27 E. Drilled public-supply artesian well in Floridan aquifer, diam 2 in. Lsd 34.79 ft above msl. MP top of 2-in tee, 1.50 ft above lsd. Highest water level 24.2 above lsd, June 3, 1947; lowest 7.7 above lsd, Sept. 29, 1956. Records available: 1940-42, 1944-58.

Jan. 4, 1956	+12.3	Nov. 6, 1956	+9.5	July 17, 1957	+9.2	Apr. 18, 1958	+11.8
Feb. 14	11.8	Dec. 18	9.0	Sept. 4	10.6	June 2	11.3
Apr. 3	10.1	Jan. 23, 1957	9.5	Oct. 22	10.2	July 18	10.5
May 15	9.6	Mar. 15	8.9	Dec. 4	10.5	Aug. 29	10.5
June 26	9.5	Apr. 25	8.5	Jan. 16, 1958	10.7	Oct. 8	11.3
Aug. 7	8.8	June 5	8.3	Mar. 6	11.1	Nov. 18	10.3
Sept. 29	7.7						

149. Mrs. W. M. Bostwick. Drummond Creek, 1.2 mi southwest of Eastport. T. 1 S., R. 27 E. Drilled domestic artesian well in Floridan aquifer, diam 6 in, reported depth 800 ft. Lsd 29.22 ft above msl. MP top of 6-in tee, 4.00 ft above lsd. Highest water level 28.5 above lsd, July 16, 1947; lowest 11.6 above lsd, Aug. 7, 1956. Records available: 1940-41, 1944-58.

Jan. 4, 1956	+16.5	Nov. 6, 1956	+14.1	July 17, 1957	+13.7	Apr. 18, 1958	+16.6
Feb. 14	16.3	Dec. 18	11.8	Sept. 4	14.8	June 2	15.4
May 15	12.4	Jan. 22, 1957	14.0	Oct. 22	12.2	July 18	14.2
June 26	11.9	Mar. 15	13.8	Dec. 4	14.6	Aug. 29	13.8
Aug. 7	11.6	Apr. 25	13.0	Jan. 16, 1958	15.3	Oct. 8	14.0
Sept. 29	12.6	June 5	12.8	Mar. 7	15.5	Nov. 18	15.1

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

154. J. M. Shield, T. 3 S., R. 27 E. Drilled domestic artesian well in Floridan aquifer, diam 4 in, depth 625 ft, cased to 461. Lsd 25.2 ft above msl. MP top of 4-in cross, 3.10 ft above lsd. Highest water level 30.1 above lsd, July 15, 1947; lowest 14.4 above lsd, Aug. 6, 1956. Records available: 1940-42, 1944, 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	+19.9	Oct. 1, 1956	+15.8	June 5, 1957	+16.1	Apr. 17, 1958	+20.6
Feb. 13	20.2	Nov. 5	22.1	July 16	16.2	June 2	18.8
Apr. 2	16.2	Dec. 17	15.4	Oct. 22	18.6	July 17	18.2
May 15	15.9	Jan. 21, 1957	15.4	Dec. 3	19.3	Aug. 29	17.9
June 25	14.8	Mar. 15	15.9	Jan. 15, 1958	19.4	Oct. 7	17.8
Aug. 6	14.4	Apr. 25	16.0	Mar. 6	20.1	Nov. 17	17.5

160. City of Neptune Beach. Florida Ave. and 1st St., Neptune Beach. T. 2 S., R. 29 E. Drilled unused artesian well in Floridan aquifer, diam 8 in, reported depth 585 ft, cased to 357. Lsd 12.05 ft above msl. MP top of 8-in tee, 0.50 ft below lsd. Highest water level 41.7 above lsd, June 15, 1934; lowest 24.5 above lsd, Aug. 6, 1956. Records available: 1930, 1934, 1939-42, 1944-58.

Jan. 4, 1956	+30.6	Nov. 5, 1956	+28.0	July 16, 1957	+24.8	Apr. 17, 1958	+31.7
Feb. 14	29.9	Dec. 18	27.6	Sept. 5	28.0	June 2	28.9
Apr. 2	27.7	Jan. 22, 1957	27.9	Oct. 23	30.9	July 17	27.6
May 15	27.0	Mar. 15	27.2	Dec. 4	30.7	Aug. 28	29.1
June 25	24.6	Apr. 25	27.0	Jan. 16, 1958	31.4	Oct. 7	30.6
Aug. 6	24.5	June 5	26.9	Mar. 6	30.3	Nov. 17	30.7
Sept. 29	27.2						

164. Foremost Properties. Formerly Ribault Club, Fort George Island. T. 1 S., R. 29 E. Drilled domestic artesian well in Floridan aquifer, diam 8 in, reported depth 840 ft, cased to 450. Lsd 15.71 ft above msl. MP top of faucet east of well, 1.30 ft above lsd. Highest water level 45.2 above lsd, Aug. 19, 1930; lowest 28.2 above lsd, June 26, 1956. Records available: 1930-31, 1940-41, 1944-58.

Jan. 4, 1956	+32.7	Sept. 29, 1956	+29.8	June 5, 1957	+30.4	Mar. 7, 1958	+32.4
Feb. 14	32.3	Nov. 6	31.4	July 17	30.9	Apr. 18	32.8
Apr. 3	31.2	Dec. 18	28.9	Sept. 4	31.5	July 18	32.0
May 15	29.0	Jan. 23, 1957	29.6	Oct. 22	32.2	Aug. 29	32.3
June 26	28.2	Mar. 15	29.6	Dec. 4	32.7	Oct. 8	32.9
Aug. 7	28.4	Apr. 25	30.0	Jan. 16, 1958	32.2	Nov. 18	33.1

206. John Harrell. SW₁SW₄ sec. 12, T. 3 S., R. 25 E. Drilled unused artesian well in Floridan aquifer, diam 10 in, reported depth 1,920 ft, cased to 1,000. MP top of casing, 1.00 ft above lsd. Highest water level 2.07 below lsd, June 5, 1948; lowest 15.58 below lsd, May 25, 1956. Records available: 1941-42, 1948-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	12.38	12.62	12.64	14.35	14.51	15.04	14.64	14.90	14.81	14.10	.....	13.20
10	12.08	12.27	12.85	14.14	14.18	15.10	14.50	15.10	14.52	14.09	13.17	13.36
15	12.35	12.53	13.20	14.28	14.35	15.32	14.78	14.81	14.40	.....	13.06	13.37
20	12.50	12.45	13.27	14.68	15.08	15.14	14.72	14.71	14.29	.....	13.13	13.47
25	12.54	12.52	13.54	14.87	15.48	14.97	14.62	14.72	13.97	.....	12.87	13.40
Eom	12.73	12.87	13.92	14.68	15.20	14.82	14.75	14.90	14.15	.....	12.89	13.20

1957

5	13.45	.....	.....	13.94	14.46	14.50	13.87	13.01	12.70	12.60	12.47	12.73
10	13.55	.....	.....	14.11	14.40	14.15	13.57	13.01	12.67	12.61	12.88	12.40
15	13.53	.....	.....	14.11	14.21	14.24	13.38	13.07	12.63	12.55	12.51	12.91
20	13.84	.....	14.02	14.37	14.24	14.51	13.38	12.90	12.81	12.57	12.58	12.57
25	13.70	.....	13.84	14.56	14.82	14.55	13.44	12.73	12.90	12.27	12.37	12.58
Eom	.....	.....	14.12	14.78	14.67	14.38	13.19	12.88	12.68	12.30	12.42	12.39

1958

5	12.58	12.23	12.23	11.63	11.50	12.30	12.38	12.22	12.79	12.98	12.71	12.79
10	12.50	12.18	11.82	11.20	11.50	12.70	12.60	12.23	12.73	12.88	12.53	12.89
15	12.19	11.80	11.90	10.85	11.44	13.04	12.50	12.36	12.70	13.15	12.84	12.84
20	12.30	12.42	11.81	11.20	11.74	12.82	12.44	12.42	12.89	12.80	13.00	12.78
25	12.05	12.16	11.64	11.40	11.42	12.53	12.24	12.50	13.00	12.75	12.99	12.81
Eom	11.94	11.95	11.41	11.55	11.83	12.31	12.20	12.71	13.22	12.82	13.17	12.28

Escambia County

45. U. S. Geol. Survey. Cantonment. Sec. 15, T. 1 N., R. 31 W. Drilled observation artesian well in sand, diam 4 in, depth 152 ft, cased to 152. MP top of recorder-shelter base, 1.48 ft above lsd. Highest water level 70.01 below lsd, Aug. 5, 1940; lowest 112.02 below lsd, Feb. 29, 1956. Records available: 1940-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	110.85	111.20	111.57	111.32	111.57	111.65	111.74	111.43	.....	111.55	.....	111.44
10	110.60	111.00	111.72	111.02	111.82	111.67	111.76	111.48	111.69	111.70	111.54	111.40
15	110.61	111.34	111.52	.....	111.64	111.76	111.75	111.43	111.52	.....	111.30	111.15
20	110.90	111.44	111.78	111.75	111.79	111.83	111.67	111.40	111.40	.....	111.34	111.28
25	.....	111.39	111.73	111.75	.....	111.87	111.61	111.59	.....	111.04	111.36	.....
Eom	111.51	111.91	111.52	111.73	111.75	111.85	111.55	111.54	111.62	.....	111.19	111.15

1957

5	111.17	111.28	111.04	111.15	111.25	111.40	111.40	111.39	111.55	111.53	111.56	111.52		
10	111.09	111.09	111.42	111.47	111.27	111.33	111.39	111.55	111.54	111.56	111.60	111.93	111.02	
15	111.05	111.17	111.17	111.43	111.69	111.30	111.49	111.51	111.58	111.36	111.57	111.13	111.45	
20	111.42	111.15	111.32	111.64	111.14	111.37	111.47	111.47	111.54	111.45	111.43	111.43	111.87	
25	111.18	110.82	111.16	111.50	111.50	111.43	111.45	111.50	111.60	111.37	111.30	110.96		
Eom	111.16	110.94	111.18	111.17	111.45	111.52	111.35	111.69	111.49	111.42	111.12	110.96		

1958

5	111.31	110.65	110.50	110.03	109.89	109.87	109.53	109.19	109.10	108.89	108.52	108.13	
10	110.92	110.70	110.30	110.01	110.4	109.62	109.57	109.32	109.07	108.93	108.52	108.44	
15	110.58	110.14	110.55	110.03	110.14	109.54	109.62	109.27	109.01	108.97	108.62	108.80	
20	110.44	110.98	110.50	110.17	109.83	109.61	109.38	109.19	109.03	108.67	108.75	108.43	
25	110.44	110.33	110.16	110.32	109.59	109.61	109.32	109.07	109.02	108.77	108.50	108.38	
Eom	110.39	110.15	110.18	110.18	109.74	109.68	109.36	109.25	108.92	108.61	108.88	107.90	

e Estimated.

46. U. S. Geol. Survey. Ensley. Sec. 11, T. 1 S., R. 30 W. Drilled observation artesian well in sand, diam 4 in, depth 239 ft, cased to 239. Lsd 131.52 ft above msl. MP top of flange cover, 1.10 ft above lsd. Highest water level 56.45 below lsd, Sept. 23, 1948; lowest 78.67 below lsd, Dec. 19, 1955. Records available: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	78.65	Sept. 17, 1956	79.07	May 27, 1957	75.13	Feb. 10, 1958	76.78
10	78.48	25	78.63	June 3	75.16	17	76.90
16	78.50	Oct. 1	78.34	10	75.21	24	76.48
23	78.49	8	77.64	17	75.37	Mar. 3	76.52
Feb. 6	78.97	15	77.09	24	75.33		76.44
13	79.09	22	77.44	July 1	75.43		76.27
20	79.02	29	76.31	8	75.58		76.02
27	78.89	Nov. 5	76.09	15	75.61	31	75.98
Mar. 5	79.09	12	75.77	22	75.67	Apr. 7	75.91
12	79.12	19	75.66	29	75.69		76.12
19	79.19	26	75.43	Aug. 5	75.74		75.57
26	79.17	Dec. 3	75.47	12	76.02		76.01
Apr. 2	79.92	10	75.44	19	75.96	May 5	75.36
9	79.93	17	75.32	26	76.25		75.33
16	79.93	24	75.24	Sept. 3	76.27		75.23
23	80.00	31	75.13	10	76.39		75.09
30	80.23	Jan. 7, 1957	75.26	17	76.33	June 2	75.23
May 7	79.96	14	75.17	24	76.42		75.19
14	79.26	21	75.39	Oct. 1	76.30		74.99
21	82.12	28	75.35	8	76.42		74.72
28	81.14	Feb. 4	75.43	14	76.47	30	74.95
June 4	82.23	11	75.45	21	76.63	July 7	74.72
11	80.29	18	75.39	28	76.68		74.56
18	79.44	25	75.21	Nov. 4	76.38		74.18
25	80.24	Mar. 4	75.34	11	76.66		73.93
July 2	81.18	11	75.78	18	76.15	Aug. 4	73.46
9	80.27	18	75.69	Dec. 2	76.58		73.24
16	79.41	25	75.78	9	76.41		72.84
23	79.45	Apr. 1	75.72	16	76.58		72.67
30	79.93	8	75.69	23	76.67	Sept. 2	72.59
Aug. 6	79.87	15	75.75	30	76.49		72.49
13	81.06	22	75.51	Jan. 6, 1958	76.08		72.46
20	79.77	29	75.23	13	76.31		72.37
27	79.90	May 6	75.41	20	76.55	30	72.25
Sept. 4	79.13	13	75.18	27	76.60	Oct. 7	72.27
10	79.17	20	74.99	Feb. 1	76.86		72.50

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

46--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 21, 1958	72.26	Nov. 11, 1958	72.65	Dec. 2, 1958	72.85	Dec. 23, 1958	73.09
28	72.48	18	72.63	9	72.97	30	73.29
Nov. 4	72.47	25	72.20	16	73.25		
60A. U. S. Geol. Survey, H St., Pensacola. T. 2 S., R. 30 W. Drilled observation water-table well in sand, diam 4 in, depth 18 ft, cased to 18. Lsd 7.20 ft above msl. MP top of 4- by 2-in bushing, 2.27 ft above lsd. Highest water level 3.04 below lsd, Apr. 26, 1944; lowest 7.39 below lsd, Nov. 17, 1952. Records available: 1940-58.							
Jan. 3, 1956	6.70	Oct. 1, 1956	4.83	July 1, 1957	5.72	Apr. 7, 1958	5.28
10	6.87	8	4.91	8	5.87	14	5.49
16	6.58	15	5.13	15	6.05	21	5.23
23	5.98	22	4.58	22	5.75	28	5.43
30	6.22	29	5.18	29	5.70	May 5	5.38
Feb. 6	6.22	Nov. 5	5.32	Aug. 5	5.79	12	5.79
13	6.12	12	5.63	12	5.75	19	5.36
20	5.73	19	5.62	19	5.79	26	6.93
27	5.79	26	6.05	26	5.71	June 2	5.75
Mar. 5	6.00	Dec. 3	6.18	Sept. 3	5.69	9	7.26
12	5.75	10	6.32	10	4.92	16	5.56
19	5.70	17	6.18	17	4.54	23	5.87
26	5.83	24	5.91	24	4.78	July 7	5.75
Apr. 2	5.78	31	6.29	Oct. 1	4.58	14	5.62
9	5.93	Jan. 7, 1957	6.26	8	5.02	21	5.91
16	5.61	14	6.21	14	5.19	28	5.54
23	6.21	21	6.35	21	5.15	Aug. 4	5.40
30	6.14	28	6.31	28	5.44	11	5.34
May 7	5.80	Feb. 4	6.15	Nov. 4	5.61	18	5.37
14	5.84	11	6.22	11	5.68	25	5.40
21	6.11	18	6.30	18	5.35	Sept. 2	5.59
28	5.86	25	6.03	Dec. 2	5.68	9	5.27
June 4	6.28	Mar. 4	6.12	9	5.51	16	4.59
11	6.03	11	6.53	16	5.96	23	4.78
18	5.21	18	6.27	23	5.84	30	4.91
25	5.74	25	5.63	30	5.95	Oct. 7	5.18
July 2	5.86	Apr. 1	4.89	Jan. 6, 1958	6.03	14	5.15
9	5.16	8	5.37	13	5.68	21	5.23
16	5.78	15	5.77	20	6.00	28	5.57
23	5.78	22	5.74	27	5.42	Nov. 4	5.79
30	5.81	29	5.69	Feb. 1	5.71	11	5.57
Aug. 6	5.78	May 6	5.66	10	5.79	18	5.51
13	5.77	13	5.72	17	5.54	25	5.65
20	6.03	20	5.66	24	5.87	Dec. 2	5.79
27	6.11	27	5.65	Mar. 3	5.62	9	5.91
Sept. 4	5.87	June 3	5.82	10	4.64	16	6.11
10	5.81	10	5.48	17	5.27	23	6.16
17	5.88	17	5.79	24	5.02	30	6.08
25	3.89	24	5.74	31	5.37		

62. U. S. Geol. Survey. Pensacola. T. 2 S., R. 30 W. Drilled observation artesian well in sand, diam 6 in, depth 142 ft, cased to 142. Lsd 13.95 ft above msl. MP top of 1-in hole in recorder-shelter floor, 1.50 ft above lsd. Highest water level 6.05 below lsd, Mar. 30, 1949; lowest 24.73 below lsd, July 31, 1955. Records available: 1940-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	23.91	24.05	....	23.71	18.43	....	17.81	18.63	17.86	e16.35	16.02	15.97
10	....	23.95	23.91	....	18.03	....	17.28	19.25	17.34	16.33	15.99	16.23
15	24.24	22.36	24.00	....	18.38	18.54	17.46	18.90	17.63	....	15.88	16.13
20	24.44	22.85	24.16	....	19.93	17.57	18.10	19.66	17.93	....	16.20	15.78
25	24.18	23.18	....	....	....	17.87	17.88	19.80	....	15.80	15.88	15.58
Eom	24.24	23.35	24.34	18.28	....	18.35	18.56	....	16.50	15.89	15.89	15.59
1957												
5	15.89	16.48	16.18	16.64	17.10	17.98	18.18	18.00	17.75	16.15	15.87	....
10	15.97	16.60	16.30	16.65	17.14	17.55	18.53	18.19	17.34	16.18	e16.05	15.45
15	16.13	16.63	16.37	16.78	16.96	17.89	e18.95	18.65	17.17	16.03	16.02	....
20	16.27	16.44	16.49	16.79	17.40	18.15	18.47	18.70	17.04	15.91	15.69	....
25	16.46	16.17	16.62	16.80	17.69	18.30	17.78	18.90	17.00	15.73	e15.68	15.57
Eom	16.38	16.15	16.73	16.96	e17.88	17.95	17.95	18.85	16.30	15.85	....	15.55

e Estimated.

62--Continued.

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	15.67	15.86	16.23	15.45	15.82	19.31	.....	16.35	16.44	15.48	15.12	15.25
10	15.95	15.93	15.99	15.15	17.02	19.91	20.08	16.53	16.35	15.48	15.14	15.41
15	15.74	16.10	16.01	15.24	17.43	.....	16.95	16.70	15.42	15.62	15.28	15.49
20	15.99	16.22	16.01	15.34	18.05	18.80	17.28	16.86	15.47	15.02	15.17	15.60
25	e16.90	16.32	15.62	15.48	18.44	18.38	18.11	16.32	15.99	15.36	15.35	15.57
Eom	15.78	16.39	e15.47	15.62	18.69	e19.62	16.65	16.50	15.70	15.28	15.25	15.23

e Estimated.

62A. U. S. Geol. Survey. Pensacola. T. 2 S., R. 30 W. Drilled observation water-table well in sand, diam 4 in, depth 18 ft, cased to 18 (previously reported cased to 17). Lsd 13.95 ft above msl. MP top of 4-in coupling, 1.91 ft above lsd. Highest water level 8.80 below lsd, Sept. 25, 1956; lowest 13.19 below lsd, Jan. 10, 1955. Records available: 1940-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	12.98	Oct. 1, 1956	9.24	July 1, 1957	12.08	Apr. 7, 1958	11.34
10	12.97	8	10.26	8	12.26	14	11.29
16	13.15	15	10.21	15	12.29	23	11.06
23	13.03	22	10.22	22	12.04	28	11.16
30	12.64	29	10.40	29	11.80	May 5	11.36
Feb. 6	12.64	Nov. 5	10.68	Aug. 5	11.87	12	11.50
13	12.48	12	10.98	12	11.99	19	11.74
20	12.41	19	11.21	19	12.19	26	11.70
27	12.29	26	11.50	26	12.10	June 2	11.80
Mar. 5	12.35	Dec. 3	11.59	Sept. 3	12.06	9	11.95
12	12.35	10	12.04	10	11.61	16	11.90
19	11.99	17	12.14	17	10.87	23	11.87
26	12.11	24	12.19	24	10.36	30	12.96
Apr. 2	12.21	31	12.32	Oct. 1	10.01	July 7	11.98
9	12.26	Jan. 7, 1957	12.45	8	10.22	14	11.53
16	12.86	14	12.53	14	10.57	21	11.59
23	12.50	21	12.41	21	10.73	28	11.39
30	12.56	28	12.49	28	10.90	Aug. 4	11.05
May 7	12.52	Feb. 4	12.60	Nov. 4	11.20	11	10.66
14	12.19	11	12.62	11	11.37	18	10.81
21	12.38	18	12.69	18	11.35	25	10.91
28	12.40	25	12.74	Dec. 2	11.05	Sept. 2	10.88
June 4	12.51	Mar. 4	12.74	9	11.22	9	10.96
11	12.54	11	12.72	16	11.28	16	10.70
18	11.76	18	12.78	23	11.82	23	10.57
25	11.58	25	12.66	30	11.96	30	10.67
July 2	11.83	Apr. 1	12.48	Jan. 6, 1958	11.81	Oct. 7	10.87
9	11.60	8	11.47	13	11.92	14	10.03
16	11.21	15	12.68	20	12.21	21	11.11
23	11.34	22	12.86	27	12.12	28	11.28
30	11.51	29	11.98	Feb. 1	11.79	Nov. 4	11.42
Aug. 6	11.61	May 6	11.88	10	11.82	11	11.39
13	11.76	13	12.02	17	11.76	18	11.61
20	11.91	20	12.14	24	11.96	25	11.57
27	12.00	27	12.04	Mar. 3	11.68	Dec. 2	11.58
Sept. 4	12.08	June 3	13.14	10	10.76	9	11.71
10	12.06	10	12.17	17	10.69	16	11.78
17	12.11	17	12.17	24	11.06	23	11.66
25	8.80	24	12.21	31	11.21	30	12.11

74. Chemstrand Corp. Sec. 30, T. 1 N., R. 30 W. Drilled observation artesian (previously reported as semiartesian) well in sand, diam 4 to 2½ in, depth 352 ft, screened 260-270, 340-350. Lsd 97.39 ft above msl. MP top of 4-in casing, 3.00 ft above lsd. Highest water level 73.97 below lsd, Nov. 10, 1951; lowest 89.44 below lsd, Dec. 14, 1957. Records available: 1951-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	86.45	86.50	86.59	.....	86.18	86.90	.....	.....	.....	e86.50	86.85	86.80
10	86.61	86.44	86.27	.....	86.15	86.95	.....	.....	.....	e86.63	86.72	86.75
15	86.72	86.29	.....	.....	86.27	86.79	.....	.....	.....	e86.78	86.74	86.80
20	86.62	86.23	.....	.....	86.44	.....	.....	.....	.....	e86.97	86.69	86.80
25	86.55	86.44	.....	.....	86.44	86.54	.....	.....	.....	86.27	86.78	86.68
Eom	86.70	86.60	.....	.....	86.23	86.80	.....	.....	.....	e86.78	86.73	86.64

e Estimated.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

74--Continued.

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	87.24	88.05	88.13	87.44	87.90	88.45	88.50	88.67	89.08	88.54	88.57	89.20
10	87.20	87.99	88.14	87.08	87.84	88.01	88.65	88.84	88.67	88.63	88.90	89.16
15	87.40	87.98	88.04	87.07	88.13	88.28	88.70	88.90	88.70	88.70	88.62	89.43
20	87.84	88.19	88.10	87.54	88.09	88.46	88.27	88.88	88.50	88.54	88.60	88.92
25	87.83	88.30	87.86	87.98	88.60	88.55	88.14	88.88	88.80	88.30	88.91	88.88
Eom	88.13	88.60	87.95	87.93	88.50	88.50	88.65	88.98	88.46	88.48	89.00	88.65

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	89.20	88.50	87.52	87.06	88.78	89.00	89.06	88.56	88.28	88.00	87.80	88.30
10	89.21	88.55	87.38	87.45	88.74	88.79	89.07	88.72	88.44	88.02	88.05	88.37
15	89.05	88.63	87.28	88.00	89.12	88.59	88.70	88.44	88.25	88.30	88.40	88.48
20	89.12	88.58	86.90	88.14	88.60	88.50	89.10	88.67	87.66	87.99	88.20	88.73
25	88.95	87.45	87.28	88.41	88.33	88.76	88.75	88.70	88.07	87.90	88.66	89.10
Eom	88.80	87.38	87.23	88.50	88.74	89.03	88.27	88.34	87.92	88.10	88.74	89.12

Flagler County

14. W. E. Kudna. NE $\frac{1}{4}$ sec. 15, T. 12 S., R. 30 E. Drilled unused artesian well in Floridan aquifer, diam 6 to 4 in, reported depth 180 ft. Lsd 21.0 ft above msl. MP top of 6-in casing, at lsd. Highest water level 2.7 below lsd, September 1947; lowest 7.38 below lsd, Apr. 3, May 22, 1956. Records available: 1936-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1956	5.72	Oct. 1, 1956	6.61	July 12, 1957	5.48	Mar. 4, 1958	4.66
Feb. 16	5.61	Nov. 13	5.24	Aug. 7	4.95	Apr. 16	4.53
Apr. 3	7.38	Dec. 19	6.00	Sept. 20	4.64	July 24	6.24
May 22	7.38	Feb. 7, 1957	7.17	Oct. 25	4.58	Sept. 16	5.82
July 5	6.68	May 1	6.95	Dec. 6	5.63	Nov. 7	4.64
Aug. 14	7.10	June 11	6.05	Jan. 16, 1958	5.12	Dec. 30	5.14
23	6.71						

Gulf County

30. Apalachicola Northern RR. Port St. Joe. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 1, T. 8 S., R. 11 W. Drilled unused artesian well in Floridan aquifer, diam 4 in, reported depth 563 ft, cased to 300. MP top of casing, 2.00 ft above lsd. Highest water level 5.61 below lsd, Feb. 11, 1956; lowest 28.41 below lsd, July 3, 1948. Records available: 1946-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	6.30	5.88	6.08	6.36	7.87	7.58	7.52	7.42	6.86	6.45	6.35	6.41
10	6.20	5.72	6.33	6.42	7.22	7.90	7.18	7.63	6.92	6.51	6.48	6.45
15	6.08	5.73	6.06	6.64	7.32	7.24	7.50	7.54	7.00	6.15	6.00	6.20
20	6.08	5.79	6.24	6.72	8.85	7.29	7.77	7.43	7.12	6.65	6.62	6.45
25	6.02	5.92	6.12	6.74	8.68	8.65	7.27	7.12	6.20	6.47	6.27	6.50
Eom	6.05	6.22	6.18	7.18	9.07	7.91	7.25	7.36	6.56	6.36	6.26	6.19

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	6.19	6.50	6.37	6.47	7.49	9.23	8.90	7.63	9.00	....	7.30	7.38
10	6.62	6.68	6.43	6.66	7.99	8.98	8.44	8.00	7.87	....	7.71	7.23
15	6.40	6.54	6.42	6.79	9.55	9.64	8.26	7.73	7.92	7.26	7.20	7.47
20	6.67	6.38	6.40	7.12	9.20	9.64	8.51	7.80	8.08	7.47	7.50	7.44
25	6.43	6.23	6.07	7.53	8.70	8.50	8.51	8.16	7.88	7.20	7.33	7.42
Eom	6.48	6.29	6.70	8.61	10.52	8.16	8.30	7.91	....	7.04	7.22	7.77

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.06	7.68	7.51	7.28	7.88	10.32	9.19	8.59	8.04	7.95	8.31	7.78
10	7.74	6.82	7.20	7.99	8.02	10.29	10.40	8.23	9.58	8.42	7.73	8.13
15	7.94	6.64	7.40	7.46	9.50	10.58	8.86	8.05	8.40	8.04	7.71	8.26
20	7.84	7.30	7.14	7.92	9.90	9.39	8.47	8.19	8.19	8.18	7.81	7.51
25	7.45	7.54	6.87	8.02	10.05	9.63	8.36	8.33	8.62	8.05	7.98	7.88
Eom	7.76	6.87	6.78	8.07	10.42	8.78	8.42	8.13	7.96	7.91	8.04	7.60

Hendry County

3. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 48 S., R. 33 E. Jetted observation water-table well in shelly sand, diam 6 in, depth 10 ft, cased to 8, gravel packed 5-10. MP top of 6-in flange, 2.50 ft above lsd. Highest water level 0.90 above lsd, Oct. 2, 1951; lowest 4.82 below lsd, May 29, 1956. Records available: 1941-44, 1950-58.

Highest water level for the day, above and below lsd, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-1.23	-1.57	-2.53	-3.65	-4.36	....	-2.06	-3.36	-2.18	-0.45	-0.40	-1.64
10	1.38	1.68	2.72	3.80	4.16	....	1.99	3.60	2.30	-.42	.99	1.69
15	1.55	1.72	2.90	3.88	4.26	....	2.40	3.33	2.66	+.03	1.08	1.84
20	1.67	1.92	3.13	4.05	4.60	....	2.64	2.36	2.82	-.15	1.22	1.99
25	.78	2.17	3.30	4.22	4.73	....	2.95	2.51	2.89	.12	1.40	2.15
Eom	1.39	2.32	3.50	4.11	....	3.17	2.16	1.42	.75	1.34	2.30	

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-2.44	-2.91	-1.13	-1.94	-1.79	-1.47	-0.67	-0.25	+0.27	+0.06	+0.57	+1.20
10	2.55	2.54	1.44	2.25	2.28	1.69	.70	+.32	-.13	.26	.71	1.17
15	2.65	2.86	.56	1.81	1.11	.40	.62	+.20	+.26	+.21	.67	1.38
20	2.79	2.58	1.45	1.65	1.41	.40	.23	.00	-.25	-.30	.83	1.48
25	2.53	2.18	1.73	2.28	2.04	.35	-.62	+.16	+.22	+.13	.90	.24
Eom	2.81	.75	1.85	2.10	1.60	.68	+.38	.37	.42	-.48	.95	.50

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-0.01	-0.21	-0.48	+0.73	-0.20	-0.22	+0.05	-0.35	+0.25	+0.22	-0.95	-1.22
10	.03	-.24	.60	.03	1.40	.00	.11	+.01	+.24	-.57	1.09	.68
15	.12	+.20	.55	+.26	.68	-.30	.07	-.28	-.27	.75	1.30	.10
20	-.22	-.36	-.39	-.44	.99	+.25	.20	.19	-.42	.37	1.46	.72
25	+.20	.38	+.01	.61	.02	.12	+.31	-.35	+.04	.72	.97	.77
Eom	-.08	.41	.23	.80	.27	.05	-.29	+.22	-.30	.72	1.52	.50

5. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 44 S., R. 32 E. Jetted observation water-table well in sand, diam 6 in, depth 13 ft, cased to 8, gravel packed 7-13. MP top of casing, 2.90 ft above lsd. Highest water level 0.48 above lsd, Oct. 2, 1951; lowest 4.11 below lsd, June 19, 1956. Records available: 1941-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	2.32	2.68	3.08	3.46	3.01	3.83	2.76	2.42	1.08	1.13	1.54	2.39
10	2.52	2.78	2.99	3.15	3.17	3.94	1.93	2.03	1.49	1.35	1.77	2.45
15	2.64	2.52	3.07	3.21	3.36	3.96	2.12	2.14	1.61	.63	2.02	2.54
20	2.70	2.77	3.24	3.44	3.51	3.87	2.48	1.96	1.39	.75	2.16	2.60
25	2.35	2.91	3.32	3.57	3.65	3.95	2.71	1.08	1.48	.95	2.27	2.70
Eom	2.53	2.97	3.27	2.88	3.74	2.65	2.05	1.35	1.20	1.27	2.30	e2.84

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	e2.90	2.12	0.97	1.29	e1.00	0.83	0.36	0.45	e0.33	....	1.34	2.18
10	2.98	2.17	.80	.55	....	.85	.59	.35	....	....	1.63	2.15
15	3.05	2.41	.90	.64	....	1.09	.48	.34	....	....	1.85	2.35
20	3.13	2.28	1.15	.64	....	.42	.41	.48	....	....	1.65	2.38
25	2.95	1.96	.97	1.01	....	.07	.19	.15	....	....	1.88	....
Eom	2.22	1.21	1.16	1.09	....	.22	.31	.42	....	....	1.97	....

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	0.60	0.35	0.52	1.05	1.35	0.19	....	0.17	1.21	2.09	2.55
10	0.24	.58	.07	.44	1.50	1.90	.57	....	.43	1.60	2.20	2.55
15	.42	.68	.40	.47	1.19	1.05	.07	....	.37	1.90	2.35	2.35
20	.60	.99	.52	.68	1.69	1.05	.27	....	.69	1.30	2.47	2.02
25	.25	1.12	.44	.62	1.23	.60	.57	....	.93	1.78	2.55	2.20
Eom	.45	e1.18	.40	1.01	.95	.37	.75	....	1.15	1.78	2.65	1.37

e Estimated.

Highlands County

9. U. S. Geol. Survey. Avon Park Bombing Range. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 7, T. 33 S., R. 31 E. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 26 ft, cased to 22, gravel packed 19-26. Lsd 131.00 ft above msl. MP top of casing, 3.32 ft above lsd. Highest water level 130.54 above msl, Oct. 9, 1953; lowest 125.27 above msl, Aug. 8, 1950. Records available: 1948-58.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

9--Continued.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+126.73	+126.40	+126.14	+125.89	+123.48	+127.49	+127.64	+123.77	+128.15	+128.74	+128.87	+127.94
10	126.66	126.35	126.09	125.85	126.78	127.35	127.64	126.65	128.13	128.41	128.66	127.85
15	126.60	126.30	126.09	125.88	126.82	127.50	127.44	126.65	127.86	130.36	128.48	127.77
20	126.56	126.28	126.06	125.84	127.18	127.34	127.22	127.33	127.79	130.37	128.34	127.68
25	126.50	126.21	126.01	125.78	127.13	127.18	127.07	127.68	128.52	129.28	128.19	127.60
Eom	126.45	126.20	125.95	126.55	126.98	127.71	126.88	127.99	128.20	128.91	128.05	127.48

1957

5	+127.40	+127.69	+128.80	+129.24	.....	+129.61	+130.14	+129.49	+130.36	+129.62	+127.93	+127.54
10	127.34	127.58	128.88	128.85	.....	.....	129.14	129.38	129.56	129.00	127.81	127.67
15	127.25	127.46	128.65	129.12	+129.77	.....	129.54	128.83	130.34	128.73	127.72	127.57
20	127.21	127.50	.....	130.07	129.97	.....	129.90	129.52	129.84	128.54	127.61	127.43
25	127.95	128.26	.....	129.02	128.95	.....	129.94	129.83	130.06	128.33	127.52	128.14
Eom	127.82	128.48	.....	129.13	129.55	.....	129.71	129.43	130.38	128.10	127.45	128.34

1958

5	.....	+129.00	+130.18	+129.24	+128.35	+127.77	+128.25	+127.72	+128.59	+128.82	+128.45	+123.06
10	+129.15	128.91	129.28	129.63	128.15	127.60	128.20	128.52	.....	128.47	128.30	127.92
15	129.22	129.68	129.46	130.30	128.50	127.45	127.93	128.33	.....	128.26	128.12	127.97
20	128.80	128.93	129.73	129.09	128.12	127.29	127.75	128.72	.....	128.98	127.98	127.80
25	129.98	128.75	130.19	128.90	128.11	127.80	128.07	129.03	.....	128.53	127.90	127.68
Eom	129.28	129.81	129.89	128.59	127.92	128.07	127.92	128.50	.....	128.62	127.79	128.61

e Estimated.

10. U. S. Geol. Survey. About 4 mi southeast of Sebring on Florida Highway 623. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 35 S., R. 29 E. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 45 ft, cased to 41, gravel-packed 37-45. Lsd 118.00 ft above msl. MP top of casing, 3.60 ft above lsd. Highest water level 92.72 above msl, Oct. 14-15, 1948; lowest 83.37 above msl, July 6-8, 1956. Records available: 1948-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+85.52	+85.02	+84.62	+84.25	+83.89	+83.55	+83.38	+83.85	+85.93	+86.85	+88.86	+88.08
10	85.43	84.95	84.56	84.18	83.84	83.50	83.43	.....	86.77	86.90	88.71	87.95
15	85.35	84.89	84.50	84.12	83.79	83.49	83.57	.....	87.02	86.99	88.59	87.82
20	85.27	84.84	84.44	84.07	83.73	83.47	83.76	83.83	87.08	88.46	88.46	87.75
25	85.19	84.76	84.38	84.01	83.67	83.44	83.86	83.99	87.05	89.02	88.33	87.64
Eom	e85.10	84.70	84.31	83.96	83.61	83.40	83.88	84.97	86.93	88.99	88.20	87.48

1957

5	+87.29	+86.65	+86.22	+86.50	+87.48	+87.65	+88.94	+89.99	+90.74	+91.27	+91.14	+90.07
10	87.17	86.58	86.22	86.63	87.51	87.87	89.13	90.14	90.80	91.59	90.95	89.90
15	87.05	86.49	86.33	86.85	87.50	88.15	89.19	90.24	90.81	91.71	90.77	89.72
20	86.92	86.40	86.40	86.97	87.49	88.29	89.38	90.30	90.81	91.67	90.60	89.58
25	86.83	86.32	86.45	87.12	87.52	88.33	89.70	90.33	90.79	91.55	90.43	89.40
Eom	86.72	86.28	86.46	87.32	87.58	88.47	89.88	90.51	90.90	91.30	90.25	89.30

1958

5	+89.21	90.10	-89.75	+90.37	+90.55	+89.78	+91.05	+91.73	+90.69	+89.70	+88.77	+88.03
10	89.25	90.12	89.87	90.35	90.40	89.64	90.90	91.62	90.51	89.52	88.65	87.91
15	89.32	90.04	89.95	90.42	90.29	89.50	90.72	91.43	90.34	89.36	88.52	87.80
20	89.30	89.87	90.09	90.62	90.18	.....	90.58	91.27	90.17	89.22	88.37	87.68
25	89.34	89.77	90.21	90.73	90.08	.....	90.43	91.09	90.02	89.07	88.26	87.59
Eom	89.83	89.73	90.32	90.68	89.90	.....	90.88	90.87	89.86	88.90	88.13	87.48

e Estimated.

11A. U. S. Geol. Survey. On U. S. Highway 98, 2.6 mi northwest of Istokpoga Canal. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T. 35 S., R. 31 E. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 10 ft, cased to 8, gravel-packed 8-10. Lsd 49.02 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 48.87 above msl, Oct. 16, 1956; lowest 44.40 above msl, Apr. 26, 1956. Records available: 1956-58. Replaces well 11.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+45.10	+44.62	+44.77	+44.54	+45.64	+44.98	.....	+47.89	+47.05	+46.31	
10	+45.30	45.01	44.62	44.75	45.45	45.92	44.84	+47.47	47.66	46.87	46.24
15	45.66	45.07	44.67	45.12	46.16	46.08	45.75	44.78	46.88	46.74	46.17
20	45.55	44.93	44.53	44.95	46.00	45.43	45.04	46.79	48.14	46.65	46.15
25	45.32	44.83	44.43	44.73	45.70	45.44	45.84	46.36	47.89	46.51	46.03
Eom	45.22	44.73	44.81	44.52	45.43	45.19	46.43	47.49	47.33	46.48	45.86

11A--Continued.

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+45.69	+45.86	+47.46	+47.65	+47.32	+47.07	+48.02	+48.10	+48.31	+48.28	+46.52	.....
10	45.63	45.83	47.38	47.03	47.40	47.37	48.16	48.12	48.38	47.60	46.37	+45.80
15	45.59	45.62	47.15	47.37	48.23	46.80	48.07	47.87	48.17	47.21	.....	45.67
20	45.45	45.63	47.14	47.65	47.93	46.78	48.10	48.28	48.13	47.02	.....	45.61
25	46.29	46.39	47.68	47.00	47.11	46.64	48.15	48.42	48.07	46.88	.....	46.91
Eom	46.06	47.10	47.35	47.59	47.10	47.42	47.83	48.16	48.20	46.65	.....	46.95

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+47.65	+47.30	+48.15	.....	+47.03	+46.58	+48.11	+47.81	+48.12	+46.82	+46.67	+45.91
10	47.62	47.35	48.02	+48.10	47.12	46.53	47.15	48.22	48.23	46.50	46.56	45.70
15	47.65	47.73	.....	48.08	47.91	46.79	48.08	48.18	47.92	46.30	46.18	45.75
20	47.27	47.42	.....	47.38	47.32	46.27	47.68	48.12	47.23	46.85	46.00	45.53
25	48.29	47.17	.....	47.40	47.68	47.28	48.08	47.64	47.15	46.50	46.08	45.45
Eom	47.80	47.88	.....	46.87	46.86	48.00	48.11	47.44	46.80	46.62	45.85	46.58

13. U. S. Geol. Survey. On Florida Highway 70, 0.5 mi west of Kissimmee River bridge. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 37 S., R. 33 E. Drilled observation water-table well in sand of Pleistocene age, diam 6 in., depth 20 ft, cased to 16, gravel-packed 11-20. Lsd 29.00 ft above msl. MP top of casing, 4.03 ft above lsd. Highest water level 29.40 above msl, Oct. 2, 1951; lowest 22.66 above msl, May 8, 1956. Records available: 1948-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+24.43	+24.00	+23.57	+23.14	+22.71	+23.31	+23.36	+23.09	+26.01	+26.72	+26.40	+25.40
10	24.32	23.90	23.53	23.05	23.66	23.18	23.88	22.89	26.59	26.31	26.23	25.26
15	24.24	23.88	23.46	22.98	24.14	23.13	23.90	22.75	26.23	28.62	26.00	25.18
20	24.17	23.81	23.38	22.90	24.03	23.08	23.79	23.04	26.41	27.61	25.82	25.12
25	24.21	23.73	23.31	22.80	23.76	22.96	23.57	24.23	25.98	27.12	25.65	25.02
Eom	24.09	23.67	23.21	22.78	23.49	22.84	23.33	25.62	26.20	26.71	25.53	25.03

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+24.85	+24.70	+26.02	+26.20	+28.20	+27.34	+28.77	+28.52	+28.58	+28.53	+26.15	+25.74
10	24.76	24.53	26.38	25.93	27.55	27.86	27.80	28.51	28.72	27.67	26.04	25.54
15	24.67	24.44	26.17	26.18	28.59	26.97	27.27	27.56	29.13	27.32	25.89	25.38
20	24.56	24.66	26.00	26.37	28.87	26.53	27.09	27.51	28.70	26.85	25.78	25.31
25	25.23	25.07	26.04	25.96	27.37	27.47	28.10	28.81	28.87	26.65	25.69	26.90
Eom	24.98	25.59	25.90	26.63	28.72	28.91	28.25	27.92	28.79	26.32	25.86	26.65

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+27.45	+27.32	+27.15	+27.91	+27.67	+26.65	+27.74	+26.54	+26.50	+25.80	+25.23	+24.58
10	27.23	27.23	27.55	28.75	27.18	26.25	26.60	26.28	25.95	25.47	25.15	24.50
15	27.69	27.70	.....	28.23	27.52	26.18	26.92	26.00	25.78	25.32	24.94	24.45
20	27.00	26.93	.....	27.22	26.78	25.86	27.01	25.87	25.51	26.23	24.79	24.38
25	28.82	26.78	.....	27.32	28.06	26.20	27.30	26.65	26.32	25.85	24.75	24.34
Eom	27.92	26.92	28.68	26.72	26.91	27.32	26.36	26.37	26.17	25.45	24.69	25.32

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+27.45	+27.32	+27.15	+27.91	+27.67	+26.65	+27.74	+26.54	+26.50	+25.80	+25.23	+24.58
10	27.23	27.23	27.55	28.75	27.18	26.25	26.60	26.28	25.95	25.47	25.15	24.50
15	27.69	27.70	.....	28.23	27.52	26.18	26.92	26.00	25.78	25.32	24.94	24.45
20	27.00	26.93	.....	27.22	26.78	25.86	27.01	25.87	25.51	26.23	24.79	24.38
25	28.82	26.78	.....	27.32	28.06	26.20	27.30	26.65	26.32	25.85	24.75	24.34
Eom	27.92	26.92	28.68	26.72	26.91	27.32	26.36	26.37	26.17	25.45	24.69	25.32

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+18.78	+18.30	+17.86	+17.42	+16.98	+16.54	+16.25	+16.15	+16.82	+17.50	+18.29	+17.87
10	18.70	18.23	17.78	17.34	16.94	16.49	16.30	16.10	16.99	17.45	18.27	17.80
15	18.62	18.15	17.72	17.26	16.85	16.40	16.33	16.05	17.21	17.48	18.21	17.73
20	18.54	18.08	17.65	17.17	18.16	17.78	16.35	16.31	16.15	17.41	17.90	18.10
25	18.48	17.99	17.57	17.17	11.16	16.70	16.28	16.26	16.16	20.17	18.13	18.02
Eom	18.37	17.93	17.49	17.04	16.62	16.26	16.20	16.16	16.56	17.53	18.26	17.95

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+117.45	+117.04	+116.68	+116.90	+116.68	+117.35	+119.18	+119.51	+119.81	+121.68	+121.00	
10	117.40	116.97	116.97	116.83	116.63	117.31	119.22	119.68	119.95	122.21	121.54	120.90
15	117.33	116.90	117.07	116.78	116.58	117.23	119.26	119.70	120.18	122.22	121.45	120.78
20	117.25	116.83	117.09	116.75	116.95	117.30	119.25	119.61	120.31	122.05	121.33	120.70
25	117.19	116.75	117.07	116.73	117.22	117.32	119.21	119.67	120.47	121.98	121.22	120.66
Eom	117.11	116.74	116.95	116.70	117.33	119.00	119.16	119.76	121.18	121.79	121.11	120.55

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

14--Continued.

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+120.55	+121.31	+120.70	+120.83	-120.87	+120.70	+120.23	+120.59	+121.32	+120.81	+120.54	+120.05
10	120.58	121.15	120.63	120.86	120.77	120.60	120.20	120.69	121.25	120.73	120.47	119.96
15	120.58	121.07	120.56	121.07	120.89	120.50	120.17	121.71	121.15	120.64	120.38	119.90
20	120.51	120.93	120.54	121.13	121.01	120.40	120.15	121.73	121.05	120.73	120.29	119.81
25	121.13	120.85	120.60	121.12	121.00	120.32	120.26	121.58	120.96	120.75	120.20	119.75
Eom	121.47	120.80	120.75	121.01	120.82	120.25	120.54	121.41	120.86	120.60	120.12	119.71

15. U. S. Geol. Survey. On Florida Highway 25, 0.10 mi north of Highlands-Glades County line. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32, T. 39 S., R. 30 E. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 23 ft, cased to 19, gravel-packed 18-23. Lsd 58.50 ft above msl. MP top of casing, 3.52 ft above lsd. Highest water level 58.42 above msl, July 27, Aug. 24, 1957; lowest 53.49 above msl, June 27, 1956. Records available: 1948-58.

Day	Highest water level for the day, above msl, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+54.78	+54.86	+54.64	+54.18	+53.85	+53.80	+58.09	+56.27	+57.20	+56.53	+56.14	+55.69
10	54.71	54.78	54.57	54.11	54.47	53.75	56.91	56.77	57.98	56.07	56.21	55.55
15	54.64	55.16	54.53	54.03	54.51	53.65	57.14	56.09	56.48	57.58	55.95	55.47
20	54.80	55.05	54.45	53.96	54.30	53.58	56.51	56.21	56.61	58.04	55.81	55.35
25	55.06	54.85	54.37	53.86	54.10	53.53	56.17	57.94	56.23	56.80	55.67	55.26
Eom	e54.93	54.75	54.26	53.83	53.84	54.74	57.18	57.40	56.15	56.35	55.88	55.13

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+55.07	+55.35	+58.07	+56.24	+56.30	+55.69	+56.82	+57.90	+58.23	+58.15	+55.87	+56.02
10	54.99	55.13	57.05	56.53	56.20	58.15	57.88	56.77	58.20	56.84	55.75	56.07
15	54.93	54.99	57.42	56.08	56.97	55.11	57.62	57.55	58.03	56.95	55.66	55.89
20	54.87	55.45	56.50	56.11	56.69	56.70	58.04	58.02	58.10	56.30	55.65	55.83
25	55.57	e56.50	56.58	55.68	56.21	58.15	57.96	58.18	57.10	56.21	55.61	57.83
Eom	55.31	57.55	56.35	56.14	55.93	57.95	58.02	57.19	58.20	56.00	56.25	56.91

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+57.75	+56.52	+57.33	+57.20	+56.77	+56.44	+58.23	+56.18	+57.37	+55.87	+55.80	+55.12
10	57.23	56.53	57.48	58.15	56.15	56.05	57.89	57.88	56.35	55.57	55.70	55.01
15	57.83	57.33	57.19	57.35	57.22	56.47	57.94	57.88	56.81	55.38	55.51	55.41
20	56.75	e56.52	57.49	56.42	56.30	57.73	57.21	58.04	56.15	56.78	55.36	55.30
25	58.15	56.36	57.98	56.80	.....	58.07	57.75	56.51	55.92	56.10	55.25	55.14
Eom	56.90	56.73	58.11	56.25	57.36	57.75	56.35	57.36	55.87	56.10	55.15	56.30

e Estimated.

Hillsborough County

13. City of St. Petersburg. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, T. 27 S., R. 18 E. Drilled unused artesian well in Floridan aquifer, diam 12 in, depth 300 ft. Lsd 56.09 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 4.92 below lsd, Sept. 23, 1947; lowest 11.54 below lsd, Jan. 19, 1957. Records available: 1930-35, 1937, 1939-41, 1944-58.

Day	Highest water level for the day, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	9.01	8.63	9.17	10.41	10.50	10.97	.....	.....	.....	.....	.....	10.70
10	9.01	8.46	9.33	10.17	10.32	11.32	.....	10.65	.....	.....	.....	10.23
15	9.23	8.42	9.49	9.97	10.38	11.43	.....	10.37	.....	.....	.....	10.92
20	9.37	8.56	9.65	10.32	10.63	11.04	.....	.....	.....	.....	.....	10.41
25	9.05	8.83	9.82	10.57	10.90	10.89	.....	.....	.....	.....	.....	10.52
Eom	8.96	9.03	10.17	10.62	11.01	11.13	.....	9.48	.....	.....	.....	10.56

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	11.15	11.25	10.45	8.86	9.21	9.00	.....	.....	6.78	e6.50	8.30	8.54
10	11.28	11.12	10.28	8.55	9.32	.....	.....	.....	6.70	e6.78	8.65	....
15	11.30	11.22	10.29	8.60	8.74	.....	.....	.....	e6.85	7.22	8.59	8.51
20	11.42	11.28	10.54	8.85	8.44	.....	.....	.....	e6.76	7.64	8.53	8.59
25	10.91	10.74	9.93	9.10	8.94	.....	.....	.....	e6.76	7.75	8.51	e8.85
Eom	10.98	10.63	9.60	9.34	9.29	.....	.....	6.86	.....	8.10	8.49	8.35

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.30	....	7.12	7.24	8.24	10.41	9.29	9.42	.....	....	8.08	8.64
10	7.15	7.29	8.63	10.64	9.23	8.70	....	8.12	7.85	8.67
15	7.31	7.14	9.27	10.94	9.03	.....	....	8.67	8.26	8.59
20	7.87	7.25	7.51	9.24	11.44	8.95	.....	....	8.43	8.63	8.46
25	7.93	7.14	7.59	9.24	10.65	9.06	.....	....	8.27	8.82	8.64
Eom	7.52	7.11	7.90	9.85	9.90	9.24	.....	....	8.36	9.06	7.85

e Estimated.

30. C. L. Council. NE₄¹NW₄¹NE₄¹ sec. 32, T. 31 S., R. 19 E. Drilled unused artesian well in Floridan aquifer, diam 6 in., reported depth 500 ft, cased to 34. Lsd 6.82 ft above msl. MP top of 6-in cross, at lsd. Highest water level 13.02 above lsd, Sept. 6, 1950; lowest 1.63 above lsd, May 16, 1952. Records available: 1950-58.

Highest water level for the day, above lsd, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+5.73	+6.63	+4.89	+2.37	+4.66	+3.20	+4.84	+6.63	+8.24	+8.67	+7.70	+5.50
10	5.00	6.69	3.66	3.57	5.00	3.10	5.31	6.63	8.12	8.50	7.26	4.14
15	4.60	6.85	3.95	4.33	4.30	3.28	5.27	7.20	8.19	8.22	7.47	4.08
20	5.56	6.57	4.21	2.90	3.40	4.05	5.42	7.40	8.30	8.55	7.10	3.73
25	6.29	5.65	3.32	2.97	2.77	4.15	5.83	7.77	8.76	8.50	6.31	3.89
Eom	5.19	5.50	2.68	3.42	2.65	4.40	6.38	8.10	8.40	7.80	5.56	4.06

1957

5	+3.53	+4.19	+6.92	+7.96	+8.08	+8.22	+8.30	+9.00	+8.53	+9.64	+7.61	+7.48
10	3.60	4.34	7.08	7.24	6.60	8.84	8.30	8.95	8.98	8.94	6.74	7.77
15	4.20	3.60	7.36	7.97	8.45	8.40	8.30	8.57	8.57	8.44	7.47	6.37
20	2.97	5.30	6.00	7.84	8.40	7.93	8.31	8.34	9.05	7.70	8.20	4.98
25	5.27	6.06	7.28	7.40	7.80	8.30	8.59	8.69	8.86	8.22	7.80	6.19
Eom	4.42	6.37	5.54	8.01	7.98	8.38	8.70	8.47	9.32	7.20	7.81	7.50

1958

5	+6.64	+7.02	+8.85	+e9.50	+7.38	+2.79	+6.60	+7.80	+8.37	+8.90	+8.68	+8.27
10	6.96	7.46	8.57	9.39	6.16	2.67	6.76	8.07	7.83	8.06	9.16	7.69
15	8.28	7.53	8.56	9.65	8.48	3.12	7.27	8.82	8.80	6.90	8.40	7.64
20	7.56	7.16	8.80	9.80	7.79	2.88	7.27	8.88	7.98	8.29	7.08	7.16
25	8.32	7.42	9.30	9.51	7.36	4.90	7.69	8.07	8.73	7.31	7.06	7.40
Eom	8.27	8.50	9.40	7.86	4.11	5.70	7.72	7.63	8.76	8.48	6.90	8.22

e Estimated.

500. Paul Carter. Wimauma. SW₄¹NW₄¹ sec. 9, T. 32 S., R. 20 E. Drilled unused artesian well in Floridan aquifer, diam 6 in., depth 330 ft, cased to 97. Lsd 87.85 ft above msl. MP top of casing, at lsd. Highest water level 48.25 below lsd, Jan. 11, 1954; lowest 58.25 below lsd, Apr. 29, 1956. Records available: 1951-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	52.88	54.28	55.20	57.76	57.38	57.23	55.79	53.99	52.58	51.90	e52.24	e54.14
10	52.97	54.01	55.53	57.59	56.80	57.00	55.49	53.77	52.45	e51.81	52.65	54.39
15	53.63	53.94	55.84	57.33	56.49	56.87	55.02	53.50	52.30	e51.60	52.73	e54.71
20	53.93	53.80	56.22	57.19	56.86	56.50	54.75	53.27	52.31	e51.64	52.98	e55.15
25	54.05	54.23	56.70	57.77	57.34	56.13	54.55	53.05	e52.17	e51.62	53.40	e55.40
Eom	54.14	54.76	57.34	58.09	57.63	56.05	54.30	52.84	e52.09	e51.76	53.72	55.45

1957

5	e55.44	55.34	54.57	e53.48	e52.27	e51.80	.....	e50.40	e50.15	e49.39	e51.31	51.86
10	e55.72	e55.56	54.24	e53.10	52.34	e51.58	.....	e50.26	e50.16	e49.36	e51.94	51.70
15	55.78	55.61	.....	52.88	e52.28	e51.53	.....	e50.23	e49.90	e49.60	e52.20	52.07
20	e56.05	e56.06	.....	.....	e51.95	e51.35	e50.76	e50.13	e49.85	e49.95	52.22	52.24
25	e55.66	e55.61	.....	e52.57	51.95	.....	e50.74	e50.13	e49.76	50.35	e52.00	e53.05
Eom	e55.15	55.24	.....	52.43	51.93	.....	e50.60	e50.21	e49.63	e50.85	51.70	e52.75

1958

5	52.44	e51.01	e51.16	e49.91	e50.82	e53.79	e53.16	e51.12	e50.94	e50.57	51.29	52.06
10	e51.97	e51.21	.....	e49.83	e51.53	e53.13	e52.75	e51.05	e50.85	e50.62	51.08	.....
15	e51.57	51.02	e50.84	e49.61	e52.12	e52.52	e52.33	e50.85	e50.85	50.92	e51.00	.....
20	e51.47	e51.37	e50.52	e49.67	.....	e52.50	51.85	e50.67	.....	51.08	e51.13	.....
25	e51.16	51.30	e50.29	e49.67	.....	e53.15	e51.52	e50.64	.....	51.23	e51.66	.....
Eom	e50.85	51.29	50.03	e49.92	e52.67	e53.88	51.25	50.90	e50.80	51.35	52.09	.....

e Estimated.

Holmes County

4. Mrs. D. Hughes. Ponce de Leon. NE₄¹SE₄¹ sec. 28, T. 4 N., R. 17 W. Drilled public-supply artesian well in Floridan aquifer, diam 6 in., reported depth 187 ft. Lsd about 64 ft above msl. MP top of 6- by 4-in reducing tee, 1.50 ft above lsd. Highest water level 5.72 above lsd, Nov. 30, 1948; lowest 1.00 above lsd, Jan. 11, 1955. Records available: 1938, 1947-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3, 1956	+1.40	Nov. 27, 1956	+2.43	Aug. 12, 1957	+2.35	May 12, 1958	+4.10
Mar. 12	3.93	Jan. 15, 1957	2.35	Oct. 8	3.80	June 24	5.20
Apr. 23	2.45	Feb. 23	1.94	Nov. 20	3.60	Aug. 5	3.35
June 12	1.82	Apr. 12	2.90	Jan. 7, 1958	4.05	Sept. 23	3.30
July 23	3.05	May 27	2.60	Feb. 12	4.97	Nov. 4	2.10
Sept. 4	2.37	July 1	3.80	Mar. 28	4.5	Dec. 17	2.06
Oct. 11	3.44						

7. Charles McAllister. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, T. 7 N., R. 14 W. Drilled unused artesian well in Floridan aquifer, diam 6 in, reported depth 205 ft, cased to 170. MP top of casing, 0.80 ft above lsd. Highest water level 8.09 below lsd, Apr. 12, 1949; lowest 16.32 below lsd, Dec. 19, 1955. Records available: 1938, 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3, 1956	16.11	Nov. 27, 1956	15.74	Aug. 12, 1957	15.62	May 12, 1958	9.64
Mar. 12	15.28	Jan. 15, 1957	15.73	Oct. 8	14.98	June 24	12.34
Apr. 23	15.20	Mar. 1	15.70	Nov. 20	14.62	Aug. 5	12.44
June 12	15.66	Apr. 12	15.48	Jan. 7, 1958	13.82	Sept. 23	12.32
July 23	15.23	May 27	15.03	Feb. 12	13.34	Nov. 4	13.41
Sept. 4	15.70	July 1	15.30	Mar. 28	12.76	Dec. 17	14.68
Oct. 11	15.61						

Indian River County

25. U. S. Geol. Survey. On Florida Highway 60, 8 mi east of Yeehaw Junction. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 32 S., R. 35 E. Jetted observation water-table well in sand of Pleistocene age, diam 6 in, depth 19 ft, cased to 13, gravel-packed 11-19. Lsd 30.00 ft above msl. MP top of casing, 2.21 ft above lsd. Highest water level 31.46 above msl, Oct. 18, 1950; lowest 25.34 above msl, Apr. 24-25, 1956. Records available: 1950-58.

Highest water level for the day, above msl, from recorder graph, 1956

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+27.04	+26.74	+26.35	+25.63	+26.20	+26.52	+27.80	+27.27	....	+29.95	+28.49	+27.61
10	26.94	26.67	26.23	25.62	26.89	26.99	28.40	29.15	+30.36	29.38	28.38	27.54
15	26.85	26.87	26.16	25.50	26.78	26.84	28.06	29.19	29.20	31.05	28.12	27.50
20	26.80	26.74	26.03	25.41	27.07	26.69	27.51	29.39	29.81	29.66	28.02	27.54
25	26.82	26.56	25.91	25.37	26.79	26.44	27.27	....	29.50	29.11	27.86	27.40
Eom	26.74	26.44	25.74	25.47	26.46	26.81	27.78	....	29.66	28.76	27.76	27.25

1957

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+27.16	+26.85	+28.27	+28.98	+28.60	+29.06	+29.35	+29.80	+29.25	+30.00	+27.93	+27.37
10	27.09	26.76	28.37	28.50	28.25	29.05	29.60	29.55	29.17	29.09	27.77	27.36
15	27.02	26.64	28.33	28.65	29.25	28.83	28.93	28.97	29.38	29.24	27.68	27.23
20	26.95	26.75	28.09	29.80	30.24	28.26	29.45	29.40	29.85	28.73	27.58	27.20
25	27.15	27.17	29.05	29.00	....	27.90	28.87	29.75	29.69	28.45	27.55	28.03
Eom	27.02	27.87	28.57	29.06	....	28.98	29.50	29.06	29.58	28.15	27.52	28.11

1958

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+28.83	+28.99	+29.60	+28.91	+28.14	+28.05	+29.46	+29.57	+28.63	+27.92	+28.22	+27.38
10	28.85	28.93	29.10	29.02	27.88	27.68	28.79	29.23	28.68	27.90	28.07	27.24
15	28.73	29.60	29.78	29.79	28.53	27.42	28.91	29.95	28.57	27.67	27.77	27.22
20	28.43	28.98	29.48	29.09	29.77	27.08	28.38	29.51	28.03	28.60	27.59	27.12
25	30.41	28.78	29.58	28.85	29.04	27.44	28.75	29.15	28.28	28.12	27.46	27.07
Eom	29.32	29.52	29.40	28.45	28.49	29.07	28.97	28.81	28.17	28.57	27.36	27.90

Jackson County

23. Florida State Hospital. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 4 N., R. 7 W. Drilled irrigation artesian well in Floridan aquifer, diam 12 in, depth 475 ft, cased to 100. MP 1-in hole in pump base, 2.42 ft above lsd. Highest water level 21.56 below lsd, Apr. 12, 1957; lowest 43.76 below lsd, Nov. 2, 1951. Records available: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3, 1956	34.59	Oct. 11, 1956	32.54	Aug. 12, 1957	26.76	May 12, 1958	22.54
Mar. 12	32.72	Nov. 27	33.34	Oct. 8	22.49	June 24	28.49
Apr. 23	36.36	Mar. 1, 1957	28.21	Nov. 20	23.45	Aug. 5	30.07
June 12	33.76	Apr. 12	21.56	Jan. 7, 1958	23.64	Sept. 23	26.38
July 23	34.09	May 27	23.76	Feb. 12	26.67	Nov. 4	26.84
Sept. 4	36.19	July 1	25.25	Mar. 28	23.76	Dec. 17	29.82

Lake County

18. Maurice Brantley. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, T. 17 S., R. 27 E. Drilled unused artesian well in Floridan aquifer, diam 6 in, reported depth 190 ft. Lsd about 109.4 ft above msl (previously reported as 99.2 ft above msl). MP top of casing, 3.00 ft above lsd. Highest water level 49.6 below lsd, November 1947, 1948; lowest 60.28 below lsd, Jan. 24, 1957. Records available: 1936-58.

Nov. 7, 1956	57.55	July 17, 1957	58.90	Jan. 13, 1958	56.36	July 15, 1958	55.57
Dec. 19	57.69	Aug. 28	57.05	Mar. 10	55.98	Aug. 26	55.58
Jan. 24, 1957	60.28	Oct. 9	55.86	Apr. 14	55.34	Oct. 9	55.88
June 5	59.82	Nov. 27	56.07	May 26	55.08	Nov. 12	55.22

20. Margarite E. Wilson. Fernandez Grant. Sec. 38, T. 17 S., R. 29 E. Drilled domestic artesian well in Floridan aquifer, diam 6 in, reported depth 252 ft. Lsd 10.7 ft above msl. MP mark on concrete casing, 2.00 ft above lsd. Highest water level 11.3 above lsd, October 1945; lowest 4.61 above lsd, Sept. 14, 1956. Records available: 1936-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1956	+8.4	Nov. 19, 1956	+7.66	Aug. 13, 1957	+7.47	May 26, 1958	+8.7
Feb. 17	6.98	Jan. 30, 1957	6.28	Nov. 7	8.9	July 15	8.4
Apr. 5	5.72	Mar. 4	6.38	Dec. 5	7.4	Aug. 26	8.0
May 22	5.52	Apr. 2	6.56	Jan. 9, 1958	7.54	Oct. 9	7.6
July 31	5.63	May 10	6.36	Mar. 10	8.0	Nov. 12	8.1
Sept. 14	4.61	June 17	6.76	Apr. 14	8.4		

22. Earl Little. Astor. Levy Grant. Sec. 37, T. 15 S., R. 28 E. Drilled unused artesian well in Floridan aquifer, diam 6 in, reported depth 254 ft. Lsd 16.5 ft above msl. MP top of 6-in coupling, 3.50 ft above lsd. Highest water level 0.5 above lsd, October 1945; lowest 3.63 below lsd, June 27, 1956. Records available: 1936-58.

Jan. 7, 1956	2.72	Nov. 7, 1956	1.53	July 17, 1957	1.94	Apr. 15, 1958	1.19
Feb. 17	2.66	Dec. 19	2.40	Aug. 28	1.28	May 27	1.78
Apr. 4	3.54	Jan. 24, 1957	2.83	Oct. 9	.98	July 16	1.68
May 16	3.10	Mar. 14	2.94	Nov. 27	2.08	Aug. 27	1.84
June 27	3.63	Apr. 24	2.95	Jan. 13, 1958	1.78	Oct. 10	1.50
Aug. 8	3.28	June 5	2.13	Mar. 11	1.14	Nov. 13	1.21
Sept. 28	3.05						

Lee County

246. U.S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, T. 44 S., R. 25 E. Drilled observation water-table well in shell marl of Tamiami formation, diam 8 in, depth 27 ft, cased to 19. Lsd 19.38 ft above msl. MP top of casing, 2.89 ft above lsd. Highest water level 19.50 above msl, Oct. 2, 1951; lowest 9.69 above msl, June 8 (previously reported June 10), 1949. Records available: 1945-58. Affected by nearby wells being pumped.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+12.23	+11.18	+9.63	+8.91	+11.76	+13.08	+17.70	+14.35	+17.69	+18.76	+16.16	+14.01
10	11.92	10.93	10.24	10.56	12.21	12.92	16.95	14.21	18.79	17.82	15.57	13.87
15	11.89	10.93	9.29	10.36	12.90	13.14	16.65	14.68	17.94	18.08	14.50	13.19
20	11.82	10.90	9.17	10.03	13.23	13.64	15.45	16.06	17.97	18.01	13.55	12.93
25	11.67	10.57	9.20	10.22	13.20	15.23	.....	16.61	17.19	17.26	14.36	13.09
Eom	11.27	10.55	8.98	11.35	13.13	15.75	.....	16.79	17.46	17.14	13.95	14.22

1957

5	+14.52	+13.00	+13.94	+14.37	+17.18	+17.66	+18.45	+18.88	+19.24	+19.13	+17.31	+16.65
10	14.60	12.00	15.75	15.35	18.76	18.56	18.78	18.88	19.00	18.83	17.05	16.70
15	12.92	12.56	15.88	15.33	18.57	18.77	18.92	18.69	19.17	18.61	17.00	16.38
20	13.09	12.25	16.03	16.17	18.15	.....	19.17	19.11	19.18	18.20	16.81	16.28
25	13.34	12.22	15.30	16.15	17.76	.....	19.12	19.28	18.88	18.63	16.68	17.33
Eom	12.61	13.37	15.12	13.88	18.02	18.78	19.05	18.91	18.95	17.61	17.01	17.41

1958

5	+18.16	+18.32	+17.96	+19.00	+18.83	+17.33	+19.07	+18.94	+18.49	+18.28	+18.20	+17.16
10	18.33	18.35	19.11	18.73	17.65	16.91	18.90	19.04	18.41	17.77	18.52	16.92
15	18.73	18.76	18.75	19.00	17.93	16.90	18.98	18.72	18.38	17.29	17.68	17.16
20	18.24	17.95	18.93	18.48	17.32	16.50	19.02	18.82	17.82	18.90	17.36	16.93
25	19.03	17.80	19.15	18.60	18.41	18.49	19.07	18.14	18.20	18.27	17.17	16.72
Eom	18.59	18.27	19.09	18.24	18.00	18.92	19.05	18.81	18.88	18.95	16.94	17.97

414. Lee County and City of Fort Myers. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 44 S., R. 26 E. Drilled unused water-table well in limestone of Hawthorn formation, diam 8 in, depth 94 ft, cased to 60. Lsd 20.80 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 19.77 above msl, Oct. 2, 1951; lowest 11.15 above msl, May 12, 1955. Records available: 1948-58. Affected by nearby wells being pumped.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+15.80	+15.72	+15.55	+14.36	+16.56	+17.61	+18.41	+17.53	+18.07	+19.24	+17.91	+17.39
10	15.64	15.56	15.27	14.73	17.00	17.25	18.65	17.32	18.95	19.28	17.65	16.92
15	15.70	16.28	14.65	14.76	17.11	17.03	18.35	17.48	18.46	19.36	17.36	16.83
20	15.54	16.03	14.95	14.67	17.40	16.98	17.95	17.55	18.51	18.89	16.90	16.27
25	16.17	15.47	14.74	14.63	17.22	16.89	17.76	17.71	18.55	18.78	16.85	16.07
Eom	16.06	15.54	14.58	15.52	17.09	17.13	17.87	17.68	18.89	18.20	17.23	15.62

414--Continued.

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+15.18	+16.50	+18.15	+18.05	+17.65	+17.97	+18.30	+18.97	+19.55	+19.60	+16.72	+16.39
10	14.71	15.95	18.46	17.71	17.78	18.75	18.90	18.60	19.14	18.90	16.19	16.40
15	14.41	14.77	18.17	17.62	18.78	19.22	18.98	18.79	19.53	18.18	16.02	16.40
20	14.78	15.87	18.12	17.40	18.42	19.20	e18.85	18.47	19.52	17.66	16.48	15.85
25	16.19	16.41	18.56	17.17	18.00	19.38	e19.15	19.46	18.96	17.05	15.88	16.85
Eom	15.84	17.40	18.38	17.25	18.25	18.79	19.00	19.13	19.40	16.39	15.70	17.57

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+18.25	+18.03	+17.63	+18.97	+17.25	+17.47	+18.97	+18.60	+17.93	+18.80	+18.31	+16.57
10	18.30	18.05	18.53	18.39	17.60	17.25	18.58	19.08	18.42	18.22	18.25	16.42
15	18.37	17.74	18.71	18.65	.....	18.13	18.65	18.81	18.63	17.82	17.98	.....
20	18.05	17.35	18.80	18.18	.....	17.58	18.65	18.28	18.04	18.90	17.72	.....
25	18.94	16.85	18.98	18.30	.....	18.32	18.38	17.80	18.82	18.56	17.52	.....
Eom	18.50	17.58	19.08	e17.78	.....	18.50	18.77	17.65	18.72	18.57	17.00	.....

e Estimated.

Leon County

7. City of Tallahassee. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 31, T. 1 N., R. 1 E. Drilled unused artesian well in Floridan aquifer, diam 6 in, depth 314 ft, cased to 165. Lsd 186.5 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 148.84 below lsd, Apr. 26, 1948; lowest 169.70 low lsd, June 3, 1955. Records available: 1945-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	169.37	169.06	167.55	167.97	168.65	168.72	168.40	166.23	166.45	e166.87	166.86	167.51
10	169.40	168.59	167.58	168.00	168.55	168.87	167.93	166.43	166.64	e166.89	166.93	167.57
15	169.52	168.42	167.55	168.14	168.44	168.85	167.49	166.35	166.81	.....	167.00	167.65
20	169.53	168.03	167.72	168.37	168.48	168.80	167.02	166.41	166.96	166.89	167.10	167.77
25	169.41	167.76	167.82	168.47	168.62	168.80	166.68	166.47	.....	166.86	167.13	167.88
Eom	.....	167.77	167.88	168.55	168.66	168.66	.....	166.40	166.96	166.73	167.33	167.98

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	168.15	168.88	169.24	168.64	167.89	167.04	162.80	162.70	162.72	155.15	155.88	157.65
10	168.28	168.94	169.39	168.38	167.88	164.75	163.05	162.57	161.18	154.72	156.47	157.60
15	168.39	169.10	169.43	168.19	167.87	162.88	163.36	162.40	e158.9	154.70	156.62	157.94
20	168.60	169.15	169.48	168.07	167.62	162.61	163.43	.....	157.76	154.93	157.02	157.92
25	168.61	169.11	169.26	.....	167.53	162.64	163.44	.....	157.34	154.98	157.14	158.30
Eom	168.70	169.15	169.00	168.00	167.33	162.73	162.93	162.59	156.56	155.40	157.43	158.64

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	158.92	160.37	161.00	159.53	157.37	157.75	157.64	158.38	159.28	160.81	162.40	153.68
10	159.13	160.51	160.48	159.41	157.72	157.91	157.71	158.58	159.47	161.11	162.55	163.82
15	159.35	160.33	160.01	158.39	157.92	158.10	157.83	158.55	159.77	.....	162.83	164.10
20	159.43	160.90	159.58	157.81	157.92	158.33	157.87	158.72	159.98	.....	163.11	164.24
25	159.70	161.01	159.35	157.55	157.59	158.10	158.06	158.77	160.28	.....	163.33	164.40
Eom	159.93	160.95	159.37	157.37	157.66	157.75	158.27	159.03	e160.75	162.25	163.65	164.46

e Estimated.

36A. U. S. Geol. Survey. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T. 3 N., R. 2 E. Drilled observation water-table well in sandy clay of Hawthorn formation, diam 1 $\frac{1}{4}$ in, depth 41 ft, cased to 38, screened 38-41. MP top of 1 $\frac{1}{4}$ -in pipe, 3.85 ft above lsd. Highest water level 0.12 above lsd, Oct. 4, 1948; lowest 33.66 below lsd, Feb. 28, 1957 (previously reported dry, Mar. 1, 1955). Records available: 1935-37, 1942-44, 1947-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1956	33.13	Nov. 30, 1956	31.97	Sept. 12, 1957	10.81	Apr. 30, 1958	4.83
Mar. 1	32.64	Dec. 28	32.24		18	Oct. 80	5.50
29	33.11	Jan. 31, 1957	33.15	Oct. 1	4.80	June 30	6.62
May 1	33.14	Feb. 28	33.66	31	8.03	July 31	7.37
June 1	33.12	Mar. 29	33.35	Dec. 2	7.34	Aug. 28	7.73
29	32.86	May 1	31.79	Jan. 2, 1958	8.92	Sept. 30	11.55
Aug. 2	32.03	31	30.25	30	8.98	Oct. 30	16.05
31	31.51	June 27	26.82	Feb. 28	8.45	Dec. 2	17.91
Oct. 1	31.58	July 31	26.70	Mar. 31	7.30	31	19.45
31	31.57	Aug. 30	25.25				

115. W. F. Christian. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 1 N., R. 1 W. Drilled domestic artesian well in Floridan aquifer, diam 4 in, depth 194 ft, cased to 104. MP top of casing, 0.50 ft above lsd. Highest water level 81.6 below lsd, Oct. 30, 1957, June 30, 1958; lowest 94.3 below lsd, Apr. 2, 1957. Records available: 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1956	92.7	Oct. 31, 1956	93.0	Sept. 3, 1957	84.2	May 29, 1958	82.2
Mar. 1	92.0	Nov. 30	93.5	19	85.1	June 30	81.6
29	92.2	Jan. 4, 1957	92.8	Oct. 1	82.6	July 31	82.2
May 1	92.2	31	93.7	30	81.6	Aug. 28	83.5
June 1	92.2	Feb. 28	93.9	Jan. 2, 1958	83.2	Sept. 30	84.0
July 6	93.7	Apr. 2	94.3	30	84.5	Oct. 30	85.9
Aug. 2	93.1	May 1	93.3	Feb. 28	85.0	Dec. 2	87.4
31	93.2	31	93.0	Mar. 31	84.1	31	88.5
Oct. 9	91.7	July 31	93.1	Apr. 30	81.8		

Madison County

13. Florida State Road Dept. Near Madison. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, T. 1 N., R. 9 E. Drilled unused artesian well in Floridan aquifer, diam 4 in, depth 322 ft, cased to 307. Lsd 100.56 ft above msl. MP top of casing, at lsd. Highest water level 18.24 below lsd, Apr. 30, 1958; lowest 35.89 below lsd, Mar. 27, 1957. Records available: 1952-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
-	34.52	34.41	33.32	33.10	32.96	31.70	....	e32.05	32.82	33.40	33.67	34.27
10	34.45	34.04	33.28	32.82	32.52	e31.95	....	e32.17	e32.97	33.43	33.75	34.35
15	34.61	34.10	33.19	32.99	32.25	31.80	....	32.22	33.00	33.31	33.78	34.43
20	34.70	33.85	33.20	33.19	31.93	31.83	....	32.38	33.10	33.40	33.92	34.54
25	34.72	33.57	33.13	33.17	e31.94	....	....	32.58	33.07	33.50	33.87	34.68
Eom	34.62	33.68	33.15	32.97	31.72	....	e32.00	e32.70	33.36	33.46	34.00	34.67
1957												
5	34.84	35.33	35.60	35.25	33.96	33.54	31.03	30.66	30.77	....	23.20	23.23
10	34.96	35.28	35.74	34.83	33.80	32.95	30.92	30.68	29.33	....	23.78	e22.64
15	34.98	35.45	35.77	34.59	33.72	32.34	30.36	30.70	28.07	....	23.70	22.58
20	35.12	35.50	35.74	34.26	33.65	31.74	30.78	30.53	26.74	....	....	22.24
25	35.20	35.33	35.65	34.08	33.61	31.40	30.78	30.54	26.21	....	....	22.44
Eom	35.24	35.52	35.65	33.92	33.57	31.20	30.67	30.75	25.27	e22.92	23.86	22.70

e Estimated.

Manatee County

92. Ray E. Anderson. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 9, T. 35 S., R. 20 E. Drilled unused artesian well in Floridan aquifer, diam 6 in, depth 600 ft, cased to 154. Lsd 79.77 ft above msl. MP top of casing, 5.75 ft above lsd. Highest water level 35.67 below lsd, Oct. 7, 1946; lowest 47.86 below lsd, Apr. 28, 1956. Records available: 1941-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	43.93	44.82	45.42	47.41	47.14	46.57	45.48	44.16	e42.62	41.75	42.35	44.77
10	44.03	44.63	45.77	47.33	46.73	46.52	45.18	44.04	42.48	41.65	42.91	45.12
15	44.51	44.63	46.03	47.28	46.34	46.38	44.77	43.60	42.23	41.46	43.14	45.40
20	44.69	44.55	46.36	47.41	46.34	45.94	44.57	43.38	42.07	41.70	43.45	45.75
25	44.68	44.85	46.67	47.58	46.65	45.60	44.50	43.12	41.93	41.79	43.73	45.90
Eom	44.79	45.19	....	47.69	46.88	45.63	44.39	....	42.03	41.85	44.37	45.82

1957

5	45.85	45.39	44.75	43.58	42.75	42.51	....	41.27	40.89	40.35	42.10	42.82
10	46.00	45.50	44.46	43.38	42.67	....	....	41.14	40.86	40.33	42.86	42.64
15	46.19	45.77	44.03	43.32	42.50	....	....	41.08	40.68	40.42	42.93	43.00
20	46.45	45.98	43.87	43.23	e42.45	....	41.68	41.00	40.64	40.65	43.17	43.05
25	45.98	45.63	43.83	43.06	42.55	....	41.66	40.89	40.55	40.99	42.95	43.55
Eom	45.46	45.28	43.86	42.87	42.54	....	41.51	40.95	40.52	41.66	42.73	43.51

e Estimated.

92--Continued.

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	43.33	e41.84	42.15	e40.97	41.71	44.96	44.17	.....	41.92	41.74	42.16	42.82
10	42.86	41.99	41.81	e40.85	42.53	44.46	43.75	.....	41.88	41.70	41.96	42.76
15	e42.34	41.83	41.78	e40.60	43.11	44.34	43.18	.....	41.90	41.80	41.86	42.68
20	42.29	42.25	41.59	e40.65	42.99	44.36	42.65	41.79	41.87	41.87	41.76	42.48
25	41.90	42.10	41.30	40.76	43.00	44.43	42.31	41.69	41.92	42.10	42.09	42.41
Eom	e41.73	2.02	41.10	41.10	43.70	44.85	e42.17	41.88	41.93	42.20	42.79	42.33

e Estimated.

Marion County

5. Florida State Road Dept. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 15 S., R. 23 E. Drilled observation artesian well in Floridan aquifer, diam 6 in, depth 135 ft, cased to 135. Lsd 39.83 ft above msl. MP top of reducer, 2.55 ft above lsd. Highest water level 13.71 above lsd, Oct. 15, 1949; lowest 2.97 above lsd, Feb. 4, 1958. Records available: 1933-58.

Mean water level for the day, above lsd, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	+4.88	+4.64	+4.37	+4.07	+4.02	+3.89	+4.28	+4.44	+4.34	+5.11	+5.07
10	....	4.93	4.55	4.42	4.05	3.85	3.98	4.26	4.39	4.32	5.13	5.09
15	....	4.78	4.54	4.29	4.12	3.86	4.05	4.34	4.48	4.46	5.28	5.02
20	....	4.78	4.47	4.08	4.05	3.91	4.09	4.28	4.50	4.57	5.25	4.94
25	+4.81	4.77	4.40	4.14	3.97	3.83	4.21	4.26	4.58	4.82	5.31	4.81
Eom	4.76	4.54	4.40	4.10	4.03	3.84	4.21	4.34	4.39	5.14	5.24	4.79

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+4.73	+4.21	+3.94	+3.72	+3.51	+3.71	+4.46	+4.81	+5.78	+6.38	+6.57	+6.16
10	4.60	4.22	3.73	3.66	3.53	3.80	4.48	4.98	5.80	6.42	6.39	6.29
15	4.61	4.06	3.71	3.56	3.55	3.89	4.52	5.15	6.02	6.48	6.54	6.09
20	4.41	4.05	3.71	3.61	3.67	4.12	4.57	5.39	6.06	6.44	6.42	6.22
25	4.42	4.16	3.67	3.58	3.62	4.23	4.61	5.49	6.14	6.72	6.48	6.09
Eom	4.34	4.02	3.60	3.65	3.66	4.25	4.72	5.63	6.32	6.64	6.38	5.92

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+5.77	+5.63	+5.94	+7.55	+8.14	+7.94	+7.77	+8.32	+8.66	+8.35	+8.37	+8.66
1	.74	5.74	6.43	7.71	8.01	7.96	7.76	8.40	8.62	8.19	8.50	8.56
15	5.88	5.92	6.68	7.95	8.01	7.90	7.81	8.53	8.51	8.15	8.58	8.46
20	5.73	5.65	6.99	7.84	8.09	7.78	7.98	8.58	8.52	8.19	8.66	8.39
25	5.76	5.80	7.31	7.90	8.16	7.63	8.15	8.69	8.49	8.20	8.68	8.32
Eom	5.71	5.78	7.45	7.99	8.00	7.68	8.23	8.63	8.34	8.29	8.53	8.27

47. Harry H. Pratt and A. C. Luffman. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 5, T. 17 S., R. 24 E. Drilled public-supply artesian well in Floridan aquifer, diam 6 in, depth 179 ft. Lsd 75.4 ft above msl (previously reported as 72.4 ft above msl). MP top of casing, at lsd. Highest water level 12.5 below lsd, September 1949; lowest 24.67 below lsd, Apr. 4, 1956. Records available: 1936-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 3, 1956	23.66	Sept. 28, 1956	23.92	Oct. 9, 1957	23.05	May 26, 1958	19.28
Apr. 4	24.67	Nov. 7	23.30	Nov. 27	21.67	July 15	20.09
May 16	24.26	Dec. 20	23.07	Jan. 6, 1958	21.78	Aug. 26	19.19
June 27	24.35	Jan. 24, 1957	24.34	Mar. 10	21.47	Oct. 9	19.80
Aug. 8	23.18	Mar. 14	24.63	Apr. 14	19.82	Nov. 12	18.66

48. E. P. Nelson. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 17 S., R. 25 E. Drilled domestic artesian well in Floridan aquifer, diam 6 in, depth 152 ft. Lsd 61.2 ft above msl (previously reported as 61.3 ft above msl). MP top of casing, at lsd. Highest water level 0.2 above lsd, October 1945; lowest 10.90 below lsd, Apr. 24, 1957. Records available: 1936-58.

Jan. 21, 1956	8.44	Nov. 7, 1956	7.95	July 17, 1957	8.25	Apr. 14, 1958	4.99
Mar. 3	9.42	Dec. 20	8.14	Aug. 28	7.04	May 26	4.85
Apr. 4	9.36	Jan. 24, 1957	8.70	Oct. 9	5.64	July 15	5.79
May 16	10.23	Mar. 14	10.81	Nov. 27	6.70	Aug. 26	5.48
June 27	9.26	Apr. 24	10.90	Jan. 6, 1958	6.60	Oct. 9	5.35
Aug. 8	9.12	June 5	9.97	Mar. 10	6.04	Nov. 12	4.04
Sept. 28	9.39						

49. U. S. Forest Service. Arrendondo Grant. T. 15 S., R. 26 E. Drilled public-supply artesian well in Floridan aquifer, diam 6 in, depth 175 ft. Lsd 66.8 ft above msl (previously reported as 66.6 ft above msl). MP top of casing, 1.00 ft above lsd. Highest water level 23.4 below lsd, October 1948; lowest 31.62 below lsd, Sept. 28, 1956. Records available: 1936-58.

49--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1956	29.40	Nov. 7, 1956	30.22	July 17, 1957	30.69	Apr. 15, 1958	29.34
Feb. 17	29.60	Dec. 19	30.40	Aug. 28	30.45	May 27	29.45
Apr. 4	30.10	Jan. 24, 1957	30.76	Oct. 9	29.95	July 16	29.56
May 16	30.81	Mar. 14	31.16	Nov. 27	30.04	Aug. 27	29.60
June 27	31.0	Apr. 24	31.20	Jan. 13, 1958	30.06	Oct. 10	29.79
Aug. 8	31.52	June 5	31.19	Mar. 11	29.70	Nov. 13	29.37
Sept. 28	31.62						

51. Harold E. Cullison. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T. 15 S., R. 21 E. Drilled unused artesian well in Floridan aquifer, diam 4 in, depth 106 ft. Lsd 74.5 ft above msl. MP top of casing, 0.05 ft above lsd. Highest water level 24.03 below lsd, Oct. 20, 1950; lowest 34.84 below lsd, Aug. 10, 1956. Records available: 1935-58.

Jan. 7, 1956	33.34	Sept. 28, 1956	33.61	Aug. 28, 1957	32.81	May 26, 1958	29.84
Feb. 14	33.93	Nov. 9	33.00	Oct. 9	31.80	July 15	29.85
Apr. 7	34.13	Dec. 20	33.14	Nov. 27	31.78	Aug. 26	29.16
May 18	34.39	Jan. 26, 1957	33.65	Jan. 6, 1958	32.33	Oct. 9	29.60
June 30	34.59	Mar. 14	33.85	Mar. 10	31.67	Nov. 12	29.75
Aug. 10	34.84	Apr. 22	33.95	Apr. 14	30.32		

Martin County

125. Florida Park Service. Jupiter State Park. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 12, T. 40 S., R. 42 E. Drilled unused water-table well in sand of Pleistocene age, diam 12 to 6 in, depth 90 ft, cased to 65, screened 65-90. Lsd 17.60 ft above msl. MP top of nail driven into recorder shelf, 2.81 ft above lsd. Highest water level 7.41 above msl, Oct. 18, 1953; lowest 0.91 above msl, Aug. 19-24, 1956. Records available: 1949-58.

Highest water level for the day, above msl, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+2.05	+1.87	+1.60	+1.35	+1.28	+1.39	+1.15	+0.98	+1.18	+2.57	+3.35	+3.03
10	2.07	1.77	1.55	1.32	1.34	1.34	1.14	.94	1.80	2.57	e3.45	2.93
15	2.10	1.72	1.50	1.32	1.49	1.32	1.12	.93	2.38	2.63	3.48	2.86
20	2.10	1.68	1.46	1.29	1.54	1.28	1.09	.91	2.58	2.71	3.34	2.80
25	2.01	1.62	1.43	1.32	1.58	1.24	1.07	.93	2.67	3.08	3.25	2.75
Eom	1.93	1.62	1.41	1.34	1.51	1.20	1.00	1.03	2.65	3.28	3.14	2.66

1957

5	+2.57	+2.26	....	....	....	+3.08	+2.49	+2.48	+3.08	....	....	....
10	e2.49	2.20	....	....	+3.33	3.01	2.42	2.49	3.30	....	....	....
15	2.34	....	+2.39	....	....	3.52	2.90	2.43	2.37	2.89	....	+2.89
20	2.27	....	2.38	....	....	3.55	2.83	2.40	2.32	....	....	2.78
25	2.43	....	2.37	....	....	3.42	2.68	2.33	2.54	....	....	2.70
Eom	2.37	....	....	....	....	3.17	2.60	2.36	2.93	....	....	2.67

1958

5	+3.05	+3.92	+3.18	+3.05	+2.87	+3.67	+3.09	+2.38	+2.63	....	....	....
10	3.28	3.82	3.10	2.98	3.29	3.70	3.02	2.34	e2.69	....	....	....
15	3.37	3.64	3.02	3.01	3.38	3.55	2.90	2.30	e2.67	....	....	....
20	3.31	3.50	2.95	2.96	3.39	3.35	2.77	2.27	e2.65	....	+2.58	....
25	3.59	3.39	2.89	2.94	3.28	3.24	2.63	2.62	....	....	....	2.70
Eom	3.89	3.32	3.05	2.87	3.41	3.15	2.49	2.63	e2.72	....	....	2.67

e Estimated.

140. U. S. Geol. Survey. On Florida Highway 710, 10 mi west of Jupiter. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 28, T. 40 S., R. 41 E. Drilled observation water-table well in shell, diam 6 in, depth 31 ft, cased to 20. Lsd 19.89 ft above msl. MP top of casing, 2.60 ft above lsd. Highest water level 21.19 above msl, Oct. 24, 1952; lowest 16.04 above msl, Apr. 25, 1956. Records available: 1950-58.

Highest water level for the day, above msl, from recorder graph, 1950												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+19.54	+19.91	+19.54
10	19.39	19.73	19.49
15	19.70	19.80	19.33
20	20.67	19.50	19.21
25	20.36	19.85	19.10
Eom	+19.17	20.19	19.66	19.49

140--Continued.

1951													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
5	+19.13	+19.23	+17.81	+16.69	+17.37	+18.50	+19.16	+19.63	.....	+20.05	+19.45	+19.12
10	18.90	18.95	17.56	17.67	16.97	17.95	19.21	20.13	.....	20.29	19.26	18.94
15	19.01	18.79	17.43	17.79	17.69	18.19	19.24	20.09	.....	20.54	19.20	18.81
20	18.61	18.60	17.19	19.02	17.39	19.49	19.54	19.83	.....	20.24	19.42	18.71
25	18.68	18.33	17.10	18.39	16.95	19.02	19.79	19.51	.....	19.99	19.26	18.95
Eom	18.38	18.15	16.85	17.89	18.84	18.62	19.66	19.41	+19.66	19.70	19.15	.....
1952													
5	.....	+19.39	+18.32	+17.49	+16.47	+16.96	+19.07	+19.06	+18.52	+19.82	+20.18	+19.05
10	.....	18.77	17.91	17.14	16.33	16.67	.....	19.12	19.54	19.98	19.90	19.44
15	.....	18.56	19.10	16.97	16.92	16.37	.....	18.63	19.62	20.21	19.68	18.89
20	.....	18.26	18.12	16.74	16.62	17.60	.....	19.07	19.62	20.54	19.57	18.81
25	.....	18.47	17.56	16.57	16.79	17.37	.....	18.61	19.65	21.03	19.31	18.64
Eom	+18.29	18.74	17.87	16.77	17.66	16.93	19.30	18.89	19.88	20.41	19.16	18.72	
1953													
5	+18.32	+19.06	+18.04	+17.12	+16.66	+17.49	+18.54	+20.22	+20.04	+20.43	+19.74	+19.59	
10	19.06	19.06	17.63	16.93	16.90	17.17	17.92	.....	20.15	20.69	19.46	19.29
15	18.71	19.16	18.18	18.07	16.47	16.80	18.05	.....	20.17	20.39	19.74	19.28
20	18.64	19.13	17.62	17.49	16.86	16.84	17.54	.....	20.60	20.29	.....	19.27
25	18.83	18.63	18.23	17.04	16.51	16.80	18.79	.....	20.49	20.07	.....	19.64
Eom	19.44	18.39	17.40	16.87	16.20	18.06	19.92	19.94	20.33	19.76	19.33	19.16	
1954													
5	+19.04	+18.29	+18.72	+17.99	+19.41	+19.61	+19.60	+19.26	+19.72	+20.21	+18.64	+18.43	
10	19.12	18.59	19.39	19.50	18.79	19.22	19.67	19.93	19.69	20.04	18.47	18.22	
15	18.94	18.15	18.99	18.99	19.69	19.13	20.12	19.91	19.71	19.84	19.40	18.84	
20	18.86	17.87	19.41	19.26	19.67	20.54	19.92	19.47	20.51	19.39	18.89	18.50	
25	18.75	18.82	18.74	19.69	18.99	20.36	19.72	.....	20.15	19.14	18.80	18.45
Eom	18.57	19.32	18.46	19.52	19.59	19.81	19.63	19.87	20.19	18.85	19.17	18.24	
1955													
5	+18.14	+17.97	+17.97	+18.42	+16.37	+16.91	+20.49	+19.48	+18.75	+17.17	+17.27	+16.53	
10	18.02	17.62	17.54	17.81	17.41	16.65	20.02	19.10	18.71	17.30	17.14	.....
15	17.74	17.93	17.27	17.62	17.78	19.42	19.50	19.41	18.23	e18.67	16.92	19.91	
20	17.80	18.87	17.04	17.13	18.47	20.24	19.14	19.22	18.46	e18.32	16.78	19.34	
25	18.96	18.49	18.24	16.81	18.26	20.49	19.19	19.33	17.97	e17.97	16.69	19.04	
Eom	18.23	18.28	18.36	16.60	17.37	20.74	19.39	18.62	17.46	e17.56	16.60	19.23	
1956													
5	+18.91	+18.64	+17.52	+16.55	+16.50	+18.26	+21.26	+19.34	+18.52	+19.86	+19.45	+19.13	+17.99
10	18.70	18.64	17.28	16.84	19.43	17.90	19.35	18.86	20.23	19.46	18.88	17.82	
15	18.55	18.49	17.91	16.41	18.50	17.37	19.09	19.04	19.99	19.74	18.74	19.31	
20	18.46	18.26	17.30	16.18	18.91	16.94	19.06	19.08	19.82	19.63	18.53	19.29	
25	19.12	17.97	17.02	16.79	17.97	16.99	18.79	19.79	19.86	19.53	19.67	18.30	
Eom	19.10	17.93	16.88	16.92	17.45	19.44	19.12	19.70	19.26	19.28	18.46	18.60	
1957													
5	+18.48	+19.69	+19.89	+19.27	+20.20	+19.59	+19.54	+19.79	.....	+20.08	+19.46	+18.43
10	18.31	19.63	19.04	18.99	19.93	19.50	19.37	19.43	+20.39	20.31	19.29	18.40	
15	18.49	19.24	19.73	19.49	19.94	19.07	19.66	19.74	20.31	20.45	19.28	18.16	
20	17.92	19.55	19.47	19.61	20.05	19.35	20.01	19.60	20.13	20.26	19.02	18.12	
25	20.31	19.62	19.69	19.33	19.84	19.38	19.85	.....	19.94	20.01	18.89	19.63
Eom	19.92	19.93	19.14	19.97	19.65	19.43	20.00	.....	20.12	19.70	18.79	19.87
1958													
5	+20.26	+19.89	+19.20	+19.61	.....	+19.60	+18.44	+17.25	+20.26	.....	+19.25	.....
10	20.26	19.58	19.25	19.52	+19.36	19.08	17.65	.....	.....	.....	.....	.....
15	20.08	19.63	19.31	19.70	20.03	18.84	17.22	.....	.....	+19.38	19.42	.....
20	19.84	19.17	19.44	19.44	19.69	18.36	18.75	.....	.....	19.75	18.89	.....
25	20.33	19.05	19.48	19.63	19.71	18.57	.....	.....	.....	19.46	.....	.....
Eom	20.28	19.13	19.78	.....	19.58	18.41	.....	.....	.....	19.52	.....	.....

e Estimated.

147. U. S. Geol. Survey. East 10th St. and Palm Beach Rd., Stuart. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, T. 38 S., R. 41 E. Drilled observation water-table well in calcareous sandstone, diam 6 in, depth 74 ft, cased to 73. Lsd 13.64 ft above msl. MP top of casing, 3.70 ft above lsd. Highest water level 13.10 above msl, Oct. 18, 1953; lowest 3.12 above msl, Feb. 20, 1957. Records available: 1952-58.

147--Continued.

Highest water level for the day, above msl, from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+6.76	+6.26	+7.46	+10.77	+9.48
10	6.59	6.54	8.17	10.48	9.31
15	6.46	7.05	8.75	10.24	9.14
20	6.58	7.13	10.09	10.08	9.00
25	6.48	6.99	12.02	9.84	8.84
Eom	6.40	7.36	11.13	9.65	8.70

1953

5	+8.54	+8.58	+7.90	+7.66	+7.77	+6.93	+8.45	+9.85	+10.41	+11.64	+10.95	+10.30
10	8.51	8.52	7.74	7.52	7.59	7.36	8.10	10.00	10.70	12.55	10.68	10.10
15	8.34	8.32	8.03	8.88	7.38	7.33	8.01	9.65	11.20	12.53	11.10	10.03
20	8.23	8.11	7.95	8.63	7.18	7.49	7.73	9.50	11.83	12.48	10.65	9.87
25	8.12	8.15	8.09	8.28	7.08	7.62	8.89	10.24	11.95	11.70	10.49	10.11
Eom	8.23	8.06	7.88	8.05	6.88	8.73	10.23	10.32	11.48	11.19	10.25	9.88

1954

5	+9.65	+8.83	+8.04	+8.01	+8.17	+8.20	+10.19	+9.89	+10.81	+11.10	+9.96	+9.80
10	9.55	8.71	8.10	8.73	7.93	8.20	10.35	9.92	10.37	11.57	9.71	9.58
15	9.38	8.52	7.96	8.84	8.20	7.98	10.51	9.82	11.26	11.50	11.03	9.48
20	9.29	8.38	7.95	8.58	8.17	10.92	10.38	9.63	11.20	10.87	10.62	9.36
25	9.12	8.29	7.83	8.55	7.92	10.85	10.17	10.18	10.96	10.57	10.24	9.21
Eom	8.94	8.24	8.06	8.32	8.20	10.36	10.29	10.03	10.78	10.24	9.97	9.00

1955

5	+8.88	+8.10	+8.62	+8.57	+7.55	+7.04	+9.30	+7.88	+7.37	+6.48	+6.76	+5.80
10	8.73	7.93	8.37	8.55	7.51	6.90	8.96	7.64	7.22	6.32	6.58	5.83
15	8.54	7.82	8.16	8.52	7.32	8.51	8.56	7.53	7.11	7.68	6.37	6.47
20	8.42	9.15	7.95	8.57	7.40	8.62	8.23	7.45	6.95	7.58	6.18	6.85
25	8.34	9.02	7.81	8.23	7.80	9.07	8.08	7.49	6.78	7.26	6.05	6.72
Eom	8.24	8.92	8.15	7.75	7.36	9.22	8.08	7.57	6.58	6.95	5.92	6.72

1956

5	+6.61	+5.98	+5.67	+5.01	+4.52	+5.03	+4.39	+4.30	+3.92	+4.03	+4.17	+3.65
10	6.43	6.07	5.51	4.92	5.03	4.89	4.47	4.23	3.91	3.97	e4.09	e3.57
15	6.24	6.11	5.46	4.83	5.53	4.75	4.53	4.16	4.09	4.01	e4.00	3.61
20	6.12	6.03	5.35	4.71	5.53	4.63	4.48	4.12	4.21	e4.28	e3.90	3.67
25	6.13	5.90	5.25	4.60	5.36	4.51	4.38	4.03	4.09	e4.35	e3.82	3.62
Eom	6.08	5.79	5.12	4.63	5.15	4.43	4.30	3.95	4.05	e4.25	e3.74	3.56

1957

5	+3.50	+3.32	+3.55	+4.08	+4.40	+5.55	+4.82	+7.48	e+7.45	+8.18	+9.22	+8.08
10	3.46	3.29	3.94	3.97	4.70	5.44	4.67	7.60	7.40	10.59	8.98	7.92
15	3.43	3.25	4.15	3.94	4.96	5.32	4.82	7.42	8.06	10.43	8.77	7.69
20	3.36	3.17	4.22	3.95	5.12	5.10	5.38	7.27	8.43	10.05	8.63	7.52
25	3.40	3.23	4.22	4.05	5.55	4.98	6.22	8.20	8.80	9.81	8.56	7.59
Eom	3.30	3.27	4.14	4.22	5.58	4.90	7.02	8.17	8.49	9.45	8.34	7.78

1958

5	+8.83	+9.36	+8.24	+8.67	+7.93	+9.39	+8.00	+6.78	+6.57	+6.24	+7.63	+7.09
10	9.25	9.15	8.15	8.35	8.31	8.93	7.73	6.68	6.47	7.65	7.43	6.87
15	9.04	8.98	8.23	8.90	8.73	8.56	7.53	6.55	6.38	7.48	7.17	6.78
20	8.75	8.75	8.12	8.68	8.33	8.21	7.32	6.71	6.26	8.06	6.98	6.95
25	10.00	8.52	8.01	8.37	9.13	8.27	7.10	6.85	6.24	8.19	6.83	6.98
Eom	9.74	8.43	8.93	8.06	9.84	8.13	7.00	6.55	6.27	7.80	7.17	8.82

e Estimated.

Nassau County

2. G. G. Gerbing. Amelia City. Sec. 50, T. 2 N., R. 28 E. Drilled irrigation artesian well in Floridan aquifer, diam 3 to 2 in, reported depth 580 ft, cased to 350. Lsd 9.98 ft above msl. MP top of 2-in horizontal pipe, 1.00 ft above lsd. Highest water level 43.1 above lsd, July 15, 1947; lowest 21.0 above lsd, Dec. 18, 1956. Records available: 1939-40, 1944-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	+28.4	Nov. 6, 1956	+22.1	July 17, 1957	+24.1	Apr. 18, 1958	+25.2
Feb. 14	25.2	Dec. 18	21.0	Sept. 4	26.6	June 3	26.8
Apr. 3	24.0	Jan. 23, 1957	21.5	Oct. 22	22.8	July 18	24.2
May 15	26.0	Mar. 15	21.6	Dec. 4	23.4	Aug. 29	26.2
June 26	22.5	Apr. 25	21.3	Jan. 16, 1958	23.7	Oct. 8	24.2
Aug. 7	23.0	June 5	21.6	Mar. 7	24.2	Nov. 17	25.8
Sept. 29	21.2						

8. Charles Pelot. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 1 N., R. 28 E. Drilled domestic artesian well in Floridan aquifer, diam 4 in, reported depth 680 ft. Lsd 13.70 ft above msl. MP top of 4-in cross, 1.80 ft above lsd. Highest water level 43.1 above lsd, July 15, 1947; lowest 21.4 above lsd, Jan. 16, 1958. Records available: 1939-40, 1944-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	+28.8	Nov. 6, 1956	+26.4	July 17, 1957	+26.8	Apr. 18, 1958	+25.4
Feb. 14	27.0	Dec. 18	24.5	Sept. 4	29.4	June 3	25.0
Apr. 3	26.5	Jan. 23, 1957	24.6	Oct. 22	26.2	July 18	25.4
June 26	23.6	Mar. 15	24.9	Dec. 4	26.8	Oct. 8	25.6
Aug. 7	24.5	Apr. 25	24.4	Jan. 16, 1958	21.4	Nov. 18	25.8
Sept. 29	25.2	June 5	25.3	Mar. 7	24.6		

12. J. W. Sheffield. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 4, T. 2 N., R. 26 E. Drilled domestic artesian well in Floridan aquifer, diam 2 in, reported depth 640 ft. Lsd 13.02 ft above msl. MP top of 2-in cross, 1.09 ft above lsd. Highest water level 40.9 above lsd, Mar. 25, 1939; lowest 19.85 below lsd, June 26, 1956. Records available: 1939, 1944-58.

Jan. 4, 1956	-10.06	Sept. 29, 1956	+1.19	June 5, 1957	-16.66	Mar. 7, 1958	-14.10
Feb. 14	15.71	Nov. 6	-14.51	July 17	11.05	Apr. 18	12.84
Apr. 3	18.14	Dec. 18	14.11	Sept. 4	2.19	June 3	9.54
May 15	16.27	Jan. 23, 1957	15.44	Oct. 22	1.41	Oct. 8	15.75
June 26	-19.85	Mar. 15	16.13	Dec. 4	9.76	Nov. 18	12.47
Aug. 7	+8.39	Apr. 25	17.70				

27. Judge Fishler and others. Atlantic Blvd. and North 18th St., Fernandina. T. 3 N., R. 28 E. Drilled unused artesian well in Floridan aquifer, diam 3 in. Lsd 20.45 ft above msl. MP top of 3-in cross, 2.00 ft above lsd. Highest water level 29.5 above lsd, Mar. 28, 1939; lowest 27.66 below lsd, Apr. 3, 1956. Records available: 1939-41, 1944-58.

Jan. 4, 1956	21.05	Nov. 6, 1956	24.00	July 17, 1957	23.80	Apr. 18, 1958	23.42
Feb. 14	25.10	Dec. 18	22.86	Sept. 4	14.72	June 3	14.76
Apr. 3	27.66	Jan. 23, 1957	25.31	Oct. 22	24.40	July 18	23.70
May 15	25.92	Mar. 15	25.14	Dec. 4	24.56	Aug. 29	14.38
June 26	27.33	Apr. 25	26.85	Jan. 16, 1958	24.19	Oct. 8	23.90
Aug. 7	15.74	June 5	26.10	Mar. 7	23.65	Nov. 18	21.60
Sept. 29	25.67						

44. Seaboard Air Line RR. Co. Yulee. T. 2 N., R. 27 E. Drilled railroad artesian well in Floridan aquifer, diam 4 in, reported depth 1,000 ft, cased to 450. Lsd 34.81 ft above msl. MP top of 3-in tee, 2.60 ft above lsd. Highest water level 26.4 above lsd, Aug. 25, 1938; lowest 3.30 above lsd, June 5, 1957. Records available: 1934, 1938, 1940, 1944-58.

Jan. 4, 1956	+6.45	Sept. 29, 1956	+3.68	June 5, 1957	+3.30	Apr. 18, 1958	+5.98
Feb. 14	4.55	Nov. 6	4.27	July 17	7.95	June 3	6.14
Apr. 3	4.00	Dec. 18	4.09	Oct. 22	4.25	July 18	6.69
May 15	3.68	Jan. 23, 1957	4.32	Dec. 4	4.40	Aug. 29	4.98
June 26	3.88	Mar. 15	3.33	Jan. 16, 1958	5.05	Oct. 8	4.91
Aug. 7	3.45	Apr. 25	3.52	Mar. 7	5.09	Nov. 18	4.60

50. R. E. Fingar. Formerly C. J. McKendree. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 4, T. 2 N., R. 26 E. Drilled domestic artesian well in Floridan aquifer, diam 2 in, reported depth 569 ft. Lsd 17.79 ft above msl. MP top of 2-in tee, 1.20 ft above lsd. Highest water level 40.3 above lsd, Jan. 18, 1940; lowest 22.4 above lsd, May 15, 1956. Records available: 1940-41, 1944-58.

Jan. 4, 1956	+28.8	Nov. 6, 1956	+25.4	July 17, 1957	+26.9	Apr. 18, 1958	+29.0
Feb. 14	28.1	Dec. 18	24.9	Sept. 4	26.5	June 3	28.8
Apr. 3	27.4	Jan. 23, 1957	24.3	Oct. 22	27.3	July 18	29.0
May 15	22.4	Mar. 15	25.7	Dec. 4	28.1	Aug. 29	28.4
June 26	23.7	Apr. 25	26.0	Jan. 16, 1958	28.1	Oct. 8	28.1
Aug. 7	24.2	June 5	27.7	Mar. 7	28.2	Nov. 18	27.8

51. Harold D. Blosser. Callahan. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29, T. 2 N., R. 25 E. Drilled domestic artesian well in Floridan aquifer, diam 2 in, reported depth 580 ft. Lsd 18.8 ft above msl. MP top of 2-in cross, 1.00 ft above lsd. Highest water level 42.5 above lsd, July 15, 1947; lowest 25.9 above lsd, Sept. 29, 1956. Records available: 1940-42, 1944-58.

Jan. 4, 1956	+30.6	Nov. 6, 1956	+27.1	July 17, 1957	+28.1	Apr. 18, 1958	+31.2
Feb. 14	29.8	Dec. 18	26.7	Sept. 4	28.8	June 3	30.8
Apr. 3	29.0	Jan. 23, 1957	27.1	Oct. 22	29.3	July 18	30.6
May 15	28.6	Mar. 15	27.1	Dec. 4	30.1	Aug. 29	30.4
June 26	26.2	Apr. 25	27.1	Jan. 16, 1958	30.2	Oct. 8	29.8
Aug. 7	26.0	June 5	26.3	Mar. 7	30.4	Nov. 18	29.4
Sept. 29	25.9						

55. L. R. Church. O'Neil. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 2 N., R. 28 E. Drilled domestic artesian well in Floridan aquifer, diam 2 in, reported depth 540 ft, cased to 504. Lsd 12.64 ft above msl. MP top of flange of 2-in valve, 1.50 ft above lsd. Highest water level 33.8 above lsd, July 15, 1947; lowest 8.5 above lsd, June 5, 1957. Records available: 1940, 1944-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	+16.5	Nov. 6, 1956	+9.1	July 17, 1957	+13.9	Apr. 18, 1958	+14.1
Feb. 14	11.7	Dec. 18	9.1	Sept. 4	17.3	June 3	17.5
Apr. 3	10.9	Jan. 23, 1957	9.2	Oct. 22	10.7	July 18	14.9
May 15	15.3	Mar. 15	9.9	Dec. 4	11.4	Aug. 29	15.3
June 26	10.2	Apr. 25	8.9	Jan. 16, 1958	12.6	Oct. 8	13.1
Aug. 7	11.8	June 5	8.5	Mar. 7	12.7	Nov. 18	13.7
Sept. 29	8.8						

Okaloosa County

3. Okaloosa County. Fort Walton. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 2 S., R. 24 W. Drilled public-supply artesian well in Floridan aquifer, diam 6 in, reported depth 800 ft, cased to 500. Lsd 11.98 ft above msl. MP center of corporation cock, 0.93 ft above lsd. Highest water level 46.0 above lsd, Aug. 19, 1936; lowest 49.42 below lsd, Aug. 13, 1957. Records available: 1936, 1946-58.

Feb. 1, 1956	19.03	Nov. 28, 1956	26.01	Aug. 13, 1957	49.42	May 12, 1958	30.24
Mar. 13	15.76	Jan. 16, 1957	23.92	Oct. 9	31.94	June 25	37.86
Apr. 24	18.51	Feb. 26	24.75	Nov. 21	30.31	Aug. 6	32.91
June 12	39.37	Apr. 11	28.25	Jan. 8, 1958	28.18	Sept. 24	32.06
July 24	30.09	May 28	47.67	Feb. 13	27.02	Nov. 5	29.20
Sept. 5	36.86	July 2	47.22	Mar. 27	24.59	Dec. 18	18.77
Oct. 10	30.27						

23. U. S. Army. Eglin Auxiliary Field 2. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 1 N., R. 22 W. Drilled public-supply artesian well in Floridan aquifer, diam 10 in, reported depth 652 ft, cased to 409. Lsd 154.0 ft above msl. MP top of $\frac{1}{4}$ -in tee, 0.70 ft above lsd. Highest water level 92.3 below lsd, Apr. 14, 1948; lowest 113.6 below lsd, July 2, 1957. Records available: 1947-58.

Feb. 1, 1956	105.8	Nov. 27, 1956	109.2	Aug. 12, 1957	112.7	May 12, 1958	109.2
Mar. 12	105.1	Jan. 15, 1957	105.3	Oct. 8	110.2	June 24	101.7
June 12	111.1	Feb. 28	108.7	Nov. 20	112.0	Aug. 5	109.1
July 12	109.8	Apr. 12	107.3	Jan. 7, 1958	109.3	Sept. 23	109.5
Sept. 4	109.1	May 27	109.8	Feb. 12	109.0	Nov. 5	109.9
Oct. 11	110.4	July 2	113.6	Mar. 28	108.7	Dec. 17	108.5

25. U. S. Army. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 27, T. 2 N., R. 23 W. Drilled public-supply artesian well in Floridan aquifer, diam 10 in, reported depth 609 ft, cased to 456. Lsd 196.72 ft above msl. MP top of $\frac{1}{4}$ -in tee, 1.60 ft above lsd. Highest water level 98.5 below lsd, Oct. 30, 1947; lowest 121.5 below lsd, Dec. 18, 1958. Records available: 1947-58.

Feb. 1, 1956	117.4	Oct. 11, 1956	118.9	July 2, 1957	118.9	May 12, 1958	120.2
Mar. 12	117.2	Nov. 27	118.7	Oct. 9	119.9	June 24	120.0
Apr. 24	117.6	Jan. 17, 1957	119.3	Nov. 21	120.8	Aug. 5	120.2
June 12	118.6	Feb. 28	118.5	Jan. 7, 1958	120.5	Sept. 23	120.8
July 25	118.9	Apr. 12	118.7	Feb. 12	120.3	Nov. 5	121.3
Sept. 4	118.5	May 29	119.4	Mar. 28	119.8	Dec. 18	121.5

27. U. S. Army. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 1 S., R. 23 W. Drilled public-supply artesian well in Floridan aquifer, diam 10 in, reported depth 591 ft, cased to 422. Lsd 89.33 ft above msl. MP top of $\frac{1}{4}$ -in tee, 1.30 ft above lsd. Highest water level 24.0 below lsd, Apr. 14, 1948; lowest 56.2 below lsd, Aug. 14, 1957. Records available: 1948-58.

Feb. 1, 1956	46.7	Nov. 28, 1956	45.7	Aug. 14, 1957	56.2	June 25, 1958	55.4
Mar. 13	40.0	Jan. 17, 1957	48.7	Oct. 10	54.2	Aug. 6	55.0
Apr. 23	48.0	Feb. 28	47.0	Nov. 21	55.1	Sept. 24	55.2
June 14	45.7	Apr. 10	50.2	Feb. 13, 1958	52.2	Nov. 5	55.0
July 24	50.2	May 28	52.2	Mar. 27	51.1	Dec. 18	54.3
Sept. 5	46.9	July 2	52.7	May 12	53.2		

29. U. S. Army. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 1 N., R. 24 W. Drilled public-supply artesian well in Floridan aquifer, diam 10 in, reported depth 766 ft, cased to 524. Lsd 178.03 ft above msl. MP top of $\frac{1}{4}$ -in tee, 1.40 ft above lsd. Highest water level 99.8 below lsd, Oct. 28, 1947; lowest 118.7 below lsd, Dec. 18, 1958. Records available: 1947-58.

Feb. 1, 1956	113.5	Nov. 28, 1956	115.7	Aug. 13, 1957	118.1	May 12, 1958	117.0
Mar. 13	112.4	Jan. 17, 1957	115.4	Oct. 9	118.6	June 25	117.6
Apr. 23	113.1	Feb. 28	115.5	Nov. 21	116.0	Aug. 6	117.5
June 14	114.5	Apr. 10	115.6	Jan. 8, 1958	117.7	Sept. 24	118.6
July 24	115.1	May 28	116.1	Feb. 13	118.5	Nov. 5	118.6
Sept. 5	114.6	July 2	117.0	Mar. 27	117.0	Dec. 18	118.7
Oct. 11	117.1						

31. U. S. Army. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 2 N., R. 25 W. Drilled public-supply artesian well in Floridan aquifer, diam 10 in., reported depth 690 ft, cased to 527. Lsd 135.12 ft above msl. MP top of $\frac{1}{4}$ -in. tee, 1.40 ft above lsd. Highest water level 46.8 below lsd, Apr. 14, 1948; lowest 62.2 below lsd, Dec. 18, 1958. Records available: 1948-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1, 1956	57.5	Nov. 28, 1956	59.2	Aug. 13, 1957	60.2	May 12, 1958	61.0
Mar. 13	56.6	Jan. 17, 1957	59.1	Oct. 9	57.5	June 25	61.0
Apr. 23	57.4	Feb. 28	59.6	Nov. 21	61.2	Aug. 6	60.8
June 14	58.0	Apr. 10	59.5	Jan. 8, 1958	61.0	Sept. 24	61.7
July 24	56.4	May 28	59.5	Feb. 13	61.0	Nov. 5	61.7
Sept. 5	57.3	July 2	59.6	Mar. 27	60.9	Dec. 18	62.2
Oct. 11	58.9						

Okeechobee County

2. U. S. Geol. Survey. On Florida Highway 66, 1 mi west of Bassinger. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33, T. 35 S., R. 33 E. Drilled observation water-table well in sand of Pleistocene age, diam 6 in., depth 21 ft, cased to 18, gravel-packed 16-21. Lsd 47.80 ft above msl. MP top of casing, 2.98 ft above lsd. Highest water level 48.10 above msl, Oct. 9, 1953; lowest 39.51 above msl, June 17-18, 1949. Records available: 1949-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+42.41	+41.98	+41.68	+41.10	+40.67	+41.39	+43.32	+42.03	+44.92	+45.60	+45.48	+44.51
10	42.31	41.87	41.60	40.99	42.05	42.41	43.64	41.80	45.30	45.14	45.29	44.38
15	42.23	41.92	41.53	40.91	42.40	42.80	43.36	41.65	44.70	47.96	45.10	44.26
20	42.14	41.87	41.44	40.83	42.17	42.60	42.95	42.28	45.39	47.71	44.97	44.14
25	42.10	41.82	41.34	40.71	41.84	42.24	42.60	43.83	44.87	46.76	44.78	44.00
Eom	42.02	41.75	41.23	40.75	41.59	42.25	42.32	44.33	44.67	45.83	44.66	43.79

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+43.67	+43.22	+43.43	+44.58	+46.51	+44.94	+44.85	+46.75	+47.33	+46.94	.....	.....
10	43.52	43.11	44.00	44.23	46.15	44.90	44.46	46.21	46.54	45.78	.....	+43.52
15	43.40	42.97	43.77	44.16	46.65	45.14	44.30	45.90	47.33	.....	.....	43.40
20	43.26	42.82	43.55	44.74	45.87	44.60	44.93	45.38	47.58	.....	.....	43.29
25	43.69	42.79	44.25	44.44	45.18	44.64	45.02	46.48	46.16	.....	.....	44.18
Eom	43.44	43.14	44.10	45.80	45.47	45.30	45.45	45.37	46.67	.....	.....	44.28

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+44.75	+45.06	+45.27	+45.63	+44.70	+44.23	+44.50	+43.16	+43.06	+42.08	+41.47	+40.98
10	44.74	44.93	45.17	46.29	44.91	43.98	44.11	43.09	42.98	+e41.93	+e41.38	40.91
15	44.58	45.21	45.68	45.81	45.21	43.78	43.82	43.35	42.72	41.80	+e41.30	40.85
20	44.47	44.89	46.00	45.20	44.83	43.52	43.58	43.19	42.55	41.72	41.21	40.78
25	45.68	44.71	46.33	45.05	44.91	43.57	.....	43.01	42.41	+e41.65	41.13	40.71
Eom	45.42	44.77	46.24	44.73	44.47	44.05	.....	42.86	42.22	+e41.56	41.07	41.20

e Estimated.

3. U. S. Geol. Survey. On Florida Highway 15, 2 mi south of Fort Drum. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, T. 34 S., R. 35 E. Drilled observation water-table well in sand of Pleistocene age, dia. 6 in., depth 22 ft, cased to 19, gravel-packed 14-22. Lsd 62.00 ft above msl. MP top of casing, 3.30 ft above lsd. Highest water level 61.93 above msl, Oct. 15, 1956; lowest 56.75 above msl, Mar. 31, 1949, May 20, 1950. Records available: 1948-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+57.89	+57.78	+57.62	+57.18	+57.89	+57.38	+60.65	+58.55	+60.85	+60.91	+59.83	+59.05
10	57.83	57.69	57.68	57.33	58.39	57.70	60.60	58.42	61.16	60.19	59.62	58.96
15	57.77	58.23	57.51	57.10	58.22	58.10	59.67	58.25	60.08	61.93	59.48	58.89
20	57.74	58.03	57.42	57.02	57.88	57.99	59.94	59.01	60.77	61.07	59.37	58.79
25	58.10	57.81	57.35	57.18	57.59	.....	59.31	59.40	60.51	60.82	59.21	58.67
Eom	57.91	57.70	57.26	57.32	57.40	.....	58.88	59.79	59.96	60.08	59.18	58.52

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+58.43	+58.34	+59.70	+60.00	+59.42	+59.49	+59.23	+60.40	+61.23	+60.95	+59.45	+59.10
10	58.34	58.20	59.59	59.54	59.27	59.37	58.81	60.34	60.96	60.24	59.33	59.05
15	58.28	58.06	59.36	59.62	60.27	59.00	58.48	60.59	61.15	60.44	59.26	58.88
20	58.18	58.20	59.13	60.15	60.35	58.63	58.25	60.52	61.17	60.31	59.28	58.81
25	58.94	58.76	59.72	59.34	59.38	58.54	59.01	60.97	61.37	59.88	59.10	60.20
Eom	58.60	59.39	59.39	59.68	59.93	58.76	59.77	60.65	61.16	59.57	59.43	59.73

FLORIDA, ORANGE COUNTY

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3--Continued.

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+60.40	+59.90	+60.28	+59.40	+59.10	+60.73	+59.93	+60.63	+59.73	+59.55	+58.97
10	60.05	59.88	59.87	+60.67	59.23	58.78	59.75	60.74	60.05	59.62	59.57	58.77
15	60.18	60.68	60.48	60.67	59.52	58.52	60.78	60.88	60.31	59.43	58.41	58.85
20	59.70	59.80	60.61	59.75	59.80	58.28	61.14	60.98	59.67	60.86	59.16	58.73
25	61.02	59.67	.....	59.63	60.10	59.64	61.01	59.98	60.83	59.65	59.16	58.63
Eom	60.23	59.82	.....	59.38	59.51	60.35	60.58	60.51	60.00	60.12	58.98	59.57

Orange County

47. Orange County. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 22 S., R. 28 E. Drilled unused artesian well in Floridan aquifer, diam 8 to 6 in, depth 350 ft, cased to 328. Lsd 72.12 ft above msl. MP top of 6-in casing, 10.00 ft above lsd. Highest water level 8.00 above lsd, Sept. 30, 1930; lowest 11.46 below lsd, June 15, 1956. Records available: 1930-33, 1943-58.

Highest water level for the day, above and below lsd, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-8.45	-8.79	-9.64	-10.75	-10.82	-10.79	-7.98	-11.13	-10.22	-10.03	-6.35	-7.51
10	8.45	8.79	9.90	10.71	.....	11.01	10.76	11.14	10.01	9.82	6.00	7.67
15	....	8.94	8.60	10.70	.....	11.26	10.78	10.62	10.32	8.20	6.50	7.87
20	....	9.12	9.92	10.92	10.63	11.17	10.96	10.75	9.85	.59	6.82	8.08
25	7.75	9.28	10.09	11.05	10.91	11.15	11.10	10.70	9.85	1.68	6.95	8.17
Eom	8.75	9.54	10.48	10.74	10.82	10.90	11.17	10.65	9.93	5.76	7.17	8.28

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-8.63	-9.63	-9.80	-9.27	-9.80	-8.12	-7.78	-6.90	-3.30	-2.50	-4.84	-5.90
10	8.85	9.65	9.89	9.64	10.07	7.90	8.30	3.60	1.10	3.44	5.22	5.92
15	8.97	10.00	10.03	9.74	8.50	8.16	6.23	5.72	1.10	3.82	5.30	6.22
20	9.20	10.12	10.08	9.02	8.47	8.64	6.46	-6.24	2.08	4.10	5.60	6.34
25	9.08	9.79	9.40	9.67	9.14	8.26	6.50	-3.34	3.38	4.19	5.81	6.47
Eom	9.35	9.63	9.80	9.90	8.63	8.18	6.97	-2.92	3.01	4.55	5.87	5.77

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-6.25	-5.65	+0.49	-3.04	-3.36	-4.63	-4.93	-4.40	-5.64	-6.11	-6.33	-5.90
10	5.81	5.53	-1.69	+1.50	3.61	4.99	5.20	4.05	5.58	6.30	4.20	6.19
15	5.56	5.65	1.93	-.96	2.20	5.22	5.32	4.93	5.97	6.50	5.14	6.30
20	5.90	6.10	1.86	1.99	3.30	5.60	5.37	5.18	6.26	5.90	5.56	6.37
25	3.74	6.27	1.61	2.59	3.64	5.27	5.15	5.22	5.93	6.26	5.84	6.52
Eom	4.83	3.52	1.97	3.32	4.22	4.99	4.62	5.33	6.31	5.08	6.07	5.65

47B. U. S. Geol. Survey. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 22 S., R. 28 E. Drilled observation water-table well in sand, diam 6 in, depth 17 ft, cased to 17. MP top of casing, 9.80 ft above lsd. Highest water level 4.36 above lsd, Oct. 18, 1948; lowest 9.64 below lsd, Aug. 9, 1956. Records available: 1948-58. Recording gage removed Oct. 9, 1957.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	6.58	7.07	7.58	e8.28	8.96	8.80	9.17	e9.55	8.68	8.57	4.27	5.07
10	6.68	7.12	7.50	8.47	8.17	8.90	9.28	8.90	8.84	8.50	4.22	5.22
15	6.78	7.19	7.75	8.57	8.29	9.04	9.31	8.91	8.83	8.38	4.44	5.38
20	6.90	7.26	7.84	8.68	8.38	e9.12	9.38	9.14	8.66	4.86	4.61	5.56
25	6.90	7.37	7.97	8.83	8.53	e9.19	9.46	9.24	8.65	4.24	4.78	5.76
Eom	7.00	7.45	e8.10	8.88	8.66	9.29	e9.52	9.34	8.58	4.23	4.91	5.95

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	6.15	7.21	7.96	8.15	8.40	7.40	7.02	6.10	3.22	0.54	....	....
10	6.34	7.38	8.05	8.20	8.48	7.30	7.01	5.28	2.44	....	....	....
15	6.52	7.58	8.18	8.30	8.04	7.20	6.36	5.17	2.08	....	....	....
20	6.73	7.78	8.28	8.08	7.75	7.19	6.34	5.10	1.86	....	....	....
25	6.87	7.88	8.26	8.22	7.80	7.19	6.25	3.92	1.81	....	....	....
Eom	7.05	7.88	8.32	8.36	7.74	7.10	6.20	3.43	1.57	....	....	....

e Estimated.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	4.02	Apr. 2, 1958	1.50	July 1, 1958	2.54	Nov. 17, 1958	2.86
Feb. 19	4.19	May 13	.74	Aug. 21	2.99	Dec. 29	4.44

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

47C. U.S. Geol. Survey. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 22 S., R. 28 E. Drilled observation water-table well in sand, diam 3 in, depth 50 ft, cased to 46, gravel-packed 44-50. MP top of casing, 3.80 ft above lsd. Highest water level 29.58 below lsd, Nov. 11, 1948; lowest 39.35 below lsd, June 4, 1953. Records available: 1948-58. Recording gage removed Oct. 9, 1957.

Highest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	36.23	.....	37.03	37.35	37.75	37.97	38.20	38.37	38.58	38.63	36.24	35.42
10	36.27	.....	37.08	37.50	37.79	38.00	38.22	38.44	38.60	38.67	35.96	35.38
15	36.35	.....	37.13	37.55	37.83	38.03	38.25	38.47	38.63	38.69	35.76	35.35
20	36.43	.....	37.16	37.59	37.90	38.04	38.27	38.50	38.65	38.32	35.64	35.35
25	.....	.....	37.20	37.65	37.92	38.08	38.30	38.52	38.66	37.61	35.53	35.33
Eom	.....	.....	37.25	37.70	37.95	38.16	38.34	38.55	38.65	36.70	35.46	35.35

1957

5	35.37	35.67	36.05	36.50	36.89	37.14	37.40	37.32	36.45	34.85	.....	.....
10	35.38	35.74	36.13	36.57	36.93	37.25	37.41	37.26	36.25	.....	.....	.....
15	35.40	35.82	36.23	36.63	36.97	37.30	37.41	37.14	36.00	.....	.....	.....
20	35.50	35.87	36.29	36.70	37.00	37.33	37.42	37.00	35.70	.....	.....	.....
25	35.53	35.96	36.35	36.77	37.07	37.35	37.40	36.89	35.44	.....	.....	.....
Eom	35.60	35.98	36.44	36.83	37.10	37.38	37.35	36.66	35.15	.....	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1958	34.59	May 13, 1958	34.00	Aug. 21, 1958	34.03	Nov. 17, 1958	34.66
Feb. 19	35.22	July 1	33.51	Oct. 6	34.35	Dec. 29	34.96
Apr. 2	35.09						

Osceola County

171. U.S. Geol. Survey. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 22, T. 25 S., R. 34 E. Jetted observation water-table well in sand of Pleistocene age, diam 3 in, depth 19 ft, cased to 13, gravel-packed 11-19. Lsd 31.60 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 32.75 above msl, Sept. 7, 1953; lowest 27.83 above msl, June 10-20, 1956. Records available: 1950-58.

Highest water level for the day, above msl, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	+31.09	+30.10	+28.76	-28.79	+27.90	+31.87	+30.70	+31.41	.....	.....	+30.33
10	.....	30.97	29.87	29.44	28.77	27.83	31.45	30.55	31.89	.....	.....	30.30
15	.....	30.96	29.63	29.01	28.48	27.83	31.19	31.07	31.60	.....	.....	.....
20	.....	30.80	29.34	28.66	28.30	28.15	31.02	31.53	31.67	.....	.....	.....
25	+31.30	30.54	29.14	29.46	28.14	29.17	30.80	31.55	31.62	.....	.....	.....
Eom	31.01	30.36	28.94	29.16	27.99	30.73	31.18	31.32	32.53	.....	+30.46	30.03

1957

5	+29.95	+30.65	+31.15	+31.52	+31.70	+31.60	+31.17	+31.72	+31.65	+31.98	.....	.....
10	e29.90	30.55	31.17	31.05	31.23	31.67	31.14	31.76	31.69	.....	.....	.....
15	29.92	30.22	30.88	31.34	31.93	31.60	30.75	31.39	31.78	.....	.....	.....
20	29.78	30.82	30.72	31.26	31.63	31.22	31.38	31.30	32.00	.....	.....	.....
25	30.86	.....	.....	30.94	31.23	31.30	31.65	32.22	31.74	.....	.....	.....
Eom	30.69	.....	.....	30.90	32.06	31.16	31.81	31.73	31.82	.....	.....	.....

1958

5	.....	+31.37	+31.82	+31.46	+31.02	+30.38	.....	+31.06	+31.05	.....	.....	+30.85
10	+31.66	31.28	31.70	32.08	30.37	30.02	+31.04	30.67	31.05	.....	.....	30.65
15	31.51	31.47	31.70	31.76	30.87	29.50	30.70	30.55	31.67	.....	.....	30.72
20	31.37	31.37	31.70	31.53	30.34	29.09	30.35	30.95	31.18	.....	+30.85	30.38
25	32.04	31.18	31.79	31.35	30.73	e28.90	29.77	31.29	31.63	.....	30.70	30.29
Eom	31.65	31.78	31.69	30.96	30.99	.....	30.99	31.01	31.08	.....	30.59	31.43

e Estimated.

Highest water level for the day, above msl, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+45.07	+45.06	+44.47	+43.90	+44.23	+44.26	.....	+45.03	+46.91	+47.63	+46.60	.....
10	44.87	44.92	44.37	43.95	44.80	44.20	.....	45.29	46.95	47.03	46.45	.....
15	44.73	44.88	44.28	43.82	44.82	44.14	+45.88	46.50	46.66	48.37	e46.28	.....
20	44.61	44.75	44.17	43.76	44.62	.....	45.57	47.29	47.08	47.03	e46.11	.....
25	45.28	44.63	44.09	43.93	44.35	.....	45.31	46.81	46.77	46.92	.....	.....
Eom	45.18	44.55	43.99	44.16	44.36	45.05	46.64	47.24	46.74

e Estimated.

FLORIDA, OSCEOLA COUNTY

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1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+44.64	+45.04	+46.46	+45.58	+45.97	+46.05	+46.44	+47.17	+46.97	+45.74	+45.09
10	+44.90	44.56	.....	45.95	45.40	45.80	45.74	46.46	46.73	46.66	45.58	45.11
15	44.83	44.45	.....	46.60	46.09	45.80	45.47	46.00	46.69	46.78	45.46	44.98
20	44.71	44.46	.....	46.28	46.14	45.39	46.43	45.68	46.87	46.42	45.34	44.89
25	44.89	44.70	.....	45.95	45.80	45.27	46.36	46.84	47.03	46.24	45.25	45.65
Eom	44.70	45.01	.....	45.74	46.22	45.32	46.59	46.77	46.93	45.95	45.25	46.62

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+46.88	+46.66	+46.85	+46.76	+46.58	+46.03	+45.96	+45.72	+44.87	+44.10	+44.40	+44.13
10	46.87	46.63	46.82	47.09	46.31	45.78	45.59	45.55	44.68	44.26	44.87	43.99
15	46.80	46.77	46.97	47.16	46.62	45.57	45.33	45.48	44.57	44.06	44.74	43.92
20	46.67	46.44	47.13	46.69	46.12	45.34	45.38	45.28	44.40	44.75	44.48	43.90
25	47.16	46.31	47.17	46.67	46.90	45.17	45.12	45.15	44.42	44.71	44.29	43.83
Eom	46.83	46.85	47.11	46.30	46.42	45.68	45.89	45.02	44.25	44.58	44.15	44.95

181. U. S. Geol. Survey. On U. S. Highway 192. NE_{1/4}SW_{1/4} sec. 25, T. 26 S., R. 31 E. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 15 ft, cased to 14, gravel-packed 11-15. Lsd 79.00 ft above msl. MP top of casing, 3.05 ft above lsd. Highest water level 79.53 above msl, Sept. 27, 1953; lowest 72.59 above msl, Aug. 11, 1956. Records available: 1948-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+74.51	+74.75	+73.99	+73.34	+73.08	+73.10	+73.47	+72.73	+74.02	+75.78	+76.66	+75.70
10	74.42	74.58	73.88	73.39	73.01	73.32	73.56	.....	74.77	75.65	76.49	75.59
15	74.33	74.47	73.78	73.38	72.93	73.27	73.44	.....	74.58	76.59	76.31	75.49
20	74.26	74.32	73.68	73.21	72.83	73.42	73.15	.....	75.36	77.56	76.14	75.45
25	75.02	74.20	73.57	73.19	72.74	73.30	72.93	74.41	75.30	77.19	75.98	75.37
Eom	74.90	74.10	73.44	73.16	72.78	73.46	72.84	74.12	75.54	76.85	75.83	75.22

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+75.11	+74.72	+75.11	+75.90	+76.06	+76.49	+76.25	+75.96	+77.18	+77.24	+75.68	+75.00
10	75.01	74.64	75.26	75.46	75.65	76.82	75.98	75.88	77.10	76.68	75.52	75.04
15	74.92	74.52	75.00	75.86	76.75	76.41	75.78	75.54	76.72	76.52	75.40	74.89
20	74.81	74.54	74.79	76.06	77.22	76.19	75.95	76.34	77.02	76.25	75.27	74.82
25	75.03	75.11	75.75	75.70	76.73	75.95	75.80	77.00	76.63	76.07	75.15	74.75
Eom	74.78	75.28	75.40	75.37	76.41	76.05	76.06	76.99	77.27	75.85	75.17	75.11

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+75.65	+75.80	+76.50	+75.91	+75.72	+75.60	+76.30	+75.18	+75.22	+74.80	+74.63	+74.27
10	75.82	75.68	76.20	76.40	75.60	75.26	75.98	76.08	75.08	74.67	75.12	74.15
15	75.96	75.76	76.13	76.40	75.73	75.11	75.68	76.20	75.48	74.52	74.85	74.09
20	75.72	75.73	76.29	76.12	75.39	74.88	75.48	76.07	75.49	74.67	74.58	74.02
25	76.40	75.53	76.32	75.90	76.26	75.83	75.53	75.66	75.26	74.45	74.38	73.95
Eom	76.09	76.40	76.16	75.62	76.06	75.92	75.51	75.35	75.01	74.48	74.26	74.62

182. U. S. Geol. Survey. On Florida Highway 60, 4.3 mi east of Kissimmee River bridge. NE_{1/4}SW_{1/4} sec. 16, T. 31 S., R. 32 E. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 23 ft, cased to 16, gravel-packed 14-23. Lsd 62.00 ft above msl. MP top of casing, 2.72 ft above lsd. Highest water level 61.73 above msl, Oct. 18, 1952; lowest 55.94 above msl, Aug. 13-15, 1950. Records available: 1949-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+58.65	+58.04	+57.72	+57.45	+57.15	+56.73	+57.44	+57.41	+57.11	+56.99	+59.62	+58.72
10	58.43	57.97	57.87	57.39	57.10	56.64	58.42	57.25	57.17	57.69	59.67	58.62
15	58.28	58.02	58.17	57.40	57.07	56.62	58.96	57.14	57.09	60.05	59.27	58.53
20	58.18	57.95	57.93	57.29	57.00	56.60	56.37	57.18	57.00	60.81	e59.14	58.45
25	58.15	57.84	57.70	57.22	56.89	57.22	57.98	57.24	56.90	60.85	e58.99	58.37
Eom	58.09	57.80	57.55	57.21	56.81	57.22	57.64	57.12	56.81	59.90	58.85	58.23

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+58.13	+58.22	+60.13	+60.50	+59.40	+61.13	+61.45	+60.76	+61.44	+61.46	+59.14	+59.00
10	58.02	58.56	60.18	59.66	58.92	61.23	61.29	60.99	61.13	60.63	59.05	e59.12
15	57.97	58.36	59.57	60.24	61.24	60.43	60.90	59.90	60.73	61.05	58.89	.....
20	57.90	58.29	59.39	60.36	61.04	60.40	60.00	60.08	61.17	60.44	58.78	.....
25	58.55	59.39	60.00	59.51	59.86	60.90	60.64	60.60	60.70	59.72	58.65	.....
Eom	58.41	59.80	59.25	59.08	61.00	61.30	60.35	60.14	61.43	59.35	.....	.....

e Estimated.

182--Continued.

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+60.63	+61.42	+60.97	+59.37	+59.35	+60.83	+58.82	+58.30	+58.27	+58.42	+57.58
10	61.12	60.91	59.10	58.93	59.95	58.53	58.23	58.31	58.33	57.57
15	61.30	61.32	60.17	58.63	60.70	58.55	58.07	58.09	58.15	57.52
20	61.34	60.92	59.46	58.36	59.75	58.40	57.92	58.58	57.94	57.44
25	60.35	61.36	60.55	59.72	58.64	59.60	58.77	57.82	58.57	57.77	57.39
Eom	61.43	61.30	59.70	59.93	60.13	59.24	58.40	57.74	58.25	57.65	58.50

183. U. S. Geol. Survey. SW₁SW₁ sec. 3, T. 31 S., R. 33 E. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 27 ft, cased to 22, gravel-packed 16-27. Lsd 73.00 ft above msl. MP top of casing, 3.83 ft above lsd. Highest water level 73.43 above msl, Oct. 9, 1953; lowest 68.28 above msl, June 19-20, 1956. Records available: 1948-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+70.54	+69.80	+69.44	+69.00	+68.71	+68.37	+71.26	+69.76	+70.58	+73.20	+71.57	+70.62
10	70.33	69.74	69.37	68.93	68.69	68.34	71.02	70.26	70.40	....	71.32	70.52
15	70.17	69.75	69.33	68.90	68.73	68.32	71.24	70.11	69.99	73.34	71.00	70.45
20	70.06	69.68	69.25	68.84	68.63	68.40	70.58	69.84	71.12	72.84	70.88	70.38
25	69.98	69.59	69.19	68.78	68.54	69.40	70.24	70.35	71.73	72.03	70.71	70.26
Eom	69.86	69.52	69.11	68.77	68.45	69.50	69.95	70.02	73.16	71.42	70.80	70.10

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+69.98	+69.66	+71.08	+71.39	+70.36	+72.17	+71.94	+71.20	+72.98	+72.79	+70.82	+70.48
10	69.90	69.60	71.22	70.84	70.13	72.73	71.02	71.67	72.07	71.75	70.70	70.58
15	69.85	69.50	70.82	70.96	73.22	71.45	72.12	70.85	73.04	72.36	70.55	70.43
20	69.76	69.63	70.59	71.30	73.03	71.20	71.63	70.93	72.63	71.83	70.42	70.21
25	70.05	70.56	71.15	70.60	71.60	72.14	70.87	72.07	73.12	71.12	70.30	71.14
Eom	69.78	70.85	70.86	70.42	73.18	71.32	70.89	72.20	72.83	71.02	70.63	71.62

e Estimated.

Palm Beach County

88. U. S. Geol. Survey. South F St. and 1st Ave., Lake Worth. NE₄NE₄ sec. 28, T. 44 S., R. 43 E. Drilled observation water-table well in sand of Biscayne aquifer, diam 6 in, depth 17 ft, cased to 16, gravel-packed 12-17. Lsd 14.44 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 15.47 above msl, Oct. 5, 1948; lowest 3.15 above msl, Aug. 17, 1956. Records available: 1944-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+5.40	....	+4.68	+3.98	+3.65	+4.10	+3.67	+3.32	+4.23	+6.79	+6.88	+5.87
10	5.30	....	4.55	3.91	4.07	3.96	3.60	3.25	5.73	6.30	6.69	5.73
15	5.19	....	4.43	3.87	4.00	3.89	3.66	3.17	5.92	6.36	6.48	5.69
20	5.12	....	4.30	3.80	4.20	3.81	3.57	3.20	5.87	6.45	6.27	5.59
25	....	....	4.18	3.72	4.19	3.68	3.52	3.28	5.82	7.04	6.12	5.50
Eom	....	4.80	4.06	3.69	4.20	3.67	3.43	4.20	5.75	7.01	6.00	5.37

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+5.25	+5.62	+6.49	+6.14	+7.95	+7.30	+7.00	+7.56	+8.76	+8.75	+8.15	....
10	5.14	5.54	6.41	5.83	7.82	7.52	6.88	7.47	8.72	9.18	7.93	....
15	5.00	5.43	6.24	5.83	7.95	7.55	8.00	7.41	e8.59	9.10	7.73	....
20	4.88	5.31	6.07	6.93	7.75	7.27	7.56	7.25	8.45	8.80	7.56	....
25	6.05	5.49	5.90	7.12	7.65	e7.11	7.57	7.96	8.16	8.60	7.44	....
Eom	5.81	6.39	5.83	7.19	7.40	7.15	7.65	8.51	8.89	8.30	7.29	+7.02

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+7.80	+7.70	+6.89	+7.69	+7.81	+8.01	+8.80	+7.34	+7.86	+7.43	+7.15	+6.67
10	8.13	7.56	7.04	7.45	8.22	7.92	8.64	7.23	7.83	7.40	7.05	6.66
15	8.14	7.45	7.16	7.58	8.41	7.70	8.36	7.16	8.11	7.25	6.92	6.70
20	7.94	7.32	7.10	7.43	8.22	7.48	8.11	7.25	8.11	7.42	6.89	....
25	7.98	7.18	7.28	7.62	8.07	7.83	7.90	e7.51	7.79	7.27	6.78	....
Eom	7.87	7.07	7.80	7.35	7.97	7.96	7.61	7.30	7.58	7.08	6.73	8.04

e Estimated.

99. U. S. Geol. Survey. Garden Ave. and Bradley St., West Palm Beach. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 4, T. 44 S., R. 43 E. Drilled observation water-table well in sand of Biscayne aquifer, diam 6 in, depth 18 ft, cased to 16, gravel-packed 14-18. Lsd 14.43 ft above msl. MP top of casing, 2.50 ft above lsd. Highest water level 14.06 above msl, Oct. 6, 1948; lowest 5.45 above msl, May 7, July 9-10, 1956. Records available: 1948-58.

Highest water level for the day, above msl, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+7.02	+6.54	+6.17	+5.71	+5.50	+5.77	+5.55	+5.68	+7.24	+8.47	+8.35	+7.48
10	6.92	6.56	6.07	5.69	5.79	5.83	5.50	5.93	8.55	8.21	8.12	7.33
15	6.78	6.50	6.00	5.66	5.83	5.83	6.23	5.79	8.51	8.38	7.94	7.41
20	6.68	6.41	5.91	5.61	5.89	5.71	6.13	6.63	8.72	8.20	7.81	7.23
25	6.73	6.33	5.86	5.55	5.85	5.65	6.00	6.63	8.59	8.56	7.69	7.10
Eom	6.62	6.24	5.79	5.60	5.86	5.59	5.79	7.22	8.38	8.53	7.61	6.99

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+6.87	+7.45	+8.42	+8.14	+10.00	+9.14	+8.30	+8.76	+9.46	+8.70	+8.11	+7.27
10	6.77	7.40	8.21	7.84	9.88	8.96	8.13	9.14	9.22	8.93	7.92	7.18
15	6.67	7.24	8.13	7.89	9.50	8.73	9.84	8.83	9.34	8.80	7.78	7.04
20	6.57	7.18	7.93	9.10	9.25	8.58	9.30	8.72	9.39	8.60	7.66	6.94
25	7.93	7.43	8.10	8.93	9.07	8.39	9.02	9.28	9.00	8.45	7.55	6.95
Eom	7.66	8.48	7.82	9.35	8.85	8.54	9.00	9.50	8.82	8.27	7.41	7.00

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+8.07	+8.13	+7.28	+8.01	+8.71	+8.38	+8.77	+7.92	+8.48	+8.59	+8.58	+7.80
10	8.47	7.94	7.47	7.80	8.74	8.23	8.62	7.75	8.33	8.53	8.48	7.66
15	8.42	7.79	7.77	8.13	9.05	8.05	8.48	7.80	9.34	8.35	8.27	7.67
20	8.19	7.65	7.68	7.88	8.75	7.85	8.27	7.87	9.12	9.58	8.10	8.13
25	8.52	7.52	7.68	8.03	8.66	8.11	8.06	7.87	9.09	8.97	8.01	8.05
Eom	8.40	7.44	8.26	7.72	8.56	8.12	7.80	7.72	8.76	8.78	7.92	8.65

109. U. S. Geol. Survey. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 42 S., R. 42 E. Jetted observation water-table well in sand of Pleistocene age, diam 6 in, depth 14 ft, cased to 9, gravel-packed 8-14. Lsd 17.85 ft above msl. MP top of casing, 4.80 ft above lsd. Highest water level 19.73 above msl, Oct. 9, 1953; lowest 14.72 above msl, June 23, 1956. Records available: 1950-58.

Highest water level for the day, above msl, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5
10	+18.19
15	18.13
20	18.03
25	17.97
Eom	17.98

1951

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+17.76	+17.83	+16.95	+15.39	+16.39	+17.52	+17.79	.....	.....	.....	.....	.....
10	17.63	17.74	16.66	15.39	15.97	17.18	18.18	+18.23	.....	.....	.....	e+17.80
15	17.82	17.45	16.31	15.89	16.50	17.23	e+18.05	e+17.95	.....	.....	e+18.01	.....
20	17.56	17.30	16.02	17.57	16.24	18.02	e+17.95	.....	.....	.....	.....	.....
25	17.62	17.13	15.79	17.09	15.98	17.75	e+17.95	.....	e+18.38	.....	.....	e+17.55
Eom	17.32	17.18	15.57	16.78	17.96	17.50	.....	17.90	.....	+18.60	e+17.99	17.54

1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+17.42	+17.91	+17.60	+16.66	+15.81	+17.32	+17.78	+18.03	+17.92	+18.45	+18.85	+18.08
10	17.31	17.53	17.35	16.21	15.86	.....	17.98	18.02	18.29	18.45	18.72	17.99
15	17.25	17.37	17.35	15.90	16.95	.....	17.80	18.08	18.37	18.50	18.59	17.92
20	17.15	17.62	17.04	15.64	16.95	.....	17.86	18.19	18.18	18.60	18.45	17.86
25	17.68	17.55	16.68	15.80	17.43	.....	17.62	18.13	18.29	19.16	18.32	17.78
Eom	17.30	17.74	17.05	16.06	17.85	16.85	17.70	17.98	18.59	19.06	18.19	17.78

1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+17.63	+18.00	+17.32	+17.21	+16.02	+17.87	+17.85	+18.45	+18.75	+19.40	+18.80	+18.63
10	17.93	17.97	17.10	17.00	17.32	17.70	17.95	18.85	18.85	19.71	18.70	18.60
15	17.80	17.87	17.91	17.27	16.42	17.80	18.37	18.77	18.97	19.45	18.84	18.55
20	17.71	17.89	17.68	17.33	15.97	17.50	18.23	18.74	19.25	19.35	18.81	18.48
25	17.90	17.62	17.74	16.86	15.66	17.91	18.19	18.77	19.25	19.10	18.74	18.62
Eom	17.97	17.49	17.44	16.47	15.60	18.03	18.46	18.83	19.12	18.87	18.65	18.56

1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+18.48	+18.13	+17.72	+17.91	+18.10	.....	+18.87	+19.05	.....	+19.16	+18.59	+18.40
10	18.42	18.07	18.03	17.92	17.92	.....	19.14	18.95	.....	19.07	18.50	18.31
15	18.36	18.03	17.90	17.65	18.02	+18.58	19.33	18.95	.....	18.98	18.55	18.35
20	18.32	17.95	17.98	17.91	18.46	19.30	19.15	.....	.....	18.85	18.62	18.29
25	18.35	17.86	17.90	e+18.29	e+18.40	19.20	19.15	.....	.....	18.78	18.57	18.20
Eom	18.24	17.95	17.70	18.24	.....	19.00	19.16	.....	+19.15	18.67	18.48	18.10

e Estimated.

109--Continued.

1955												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+18.10	+17.73	+17.59	+17.65	+15.91	+15.48	+18.63	+18.43	+18.12	+17.70	+17.70	+17.18
10	18.02	17.60	17.40	17.47	15.98	15.26	18.67	18.31	18.11	17.44	17.92	17.69
15	17.91	17.54	17.18	17.53	16.29	17.82	18.59	18.29	18.06	18.22	17.71	18.00
20	17.88	17.90	16.91	17.09	16.65	18.05	18.42	18.32	17.97	18.14	17.55	17.97
25	18.00	17.83	17.40	16.71	16.17	18.29	18.54	18.24	17.95	18.02	17.42	17.90
Eom	17.82	17.71	17.41	16.48	15.83	18.61	18.45	18.19	17.77	17.89	17.24	17.92
1956												
5	+17.80	+17.43	+16.37	+15.12	+15.12	+15.31	+17.30	+15.78	+18.11	+17.90	+17.94	+17.13
10	17.69	17.49	16.08	15.13	16.70	15.10	17.60	16.40	18.61	17.65	17.77	16.98
15	17.60	17.35	15.83	15.00	16.48	14.95	17.20	15.86	18.47	18.11	17.61	17.54
20	17.52	17.15	15.60	14.88	16.10	14.81	16.89	17.24	18.30	18.00	17.50	17.42
25	17.70	16.87	15.44	14.79	15.72	15.42	16.41	17.35	18.14	17.96	17.39	17.21
Eom	17.63	16.68	15.26	15.44	15.55	16.30	16.30	17.96	18.01	17.87	17.27	16.91
1957												
5	+16.77	+18.69	+18.84	+18.62	+18.86	+18.61	+18.43	+18.70	+18.78	+18.90	+18.53	+17.91
10	16.58	18.67	18.74	18.55	18.79	18.64	18.35	18.64	18.76	18.94	18.44	17.85
15	16.44	18.57	18.75	18.62	18.78	18.58	18.35	18.59	18.91	18.93	18.32	17.72
20	16.19	18.54	18.67	18.69	18.83	18.46	18.55	18.56	18.80	18.84	18.20	17.75
25	18.88	18.58	18.26	18.65	18.55	18.80	18.28	18.60	18.68	18.68	18.77	18.13
Eom	18.75	18.82	18.59	18.77	18.65	18.45	18.73	18.77	18.85	18.63	18.01	18.44
1958												
5	+18.75	+18.75	+18.28	+18.40	+18.25	+18.56	+18.35	+18.18	+18.58	+18.34	+18.06	+18.05
10	18.77	18.67	18.26	18.28	18.17	18.41	18.22	18.15	18.50	18.30	18.02	17.95
15	18.76	18.59	18.38	18.25	18.63	18.28	18.21	18.06	18.55	18.12	17.95	18.12
20	18.66	18.51	18.38	18.12	18.42	18.10	18.05	18.06	18.39	18.19	17.83	18.06
25	18.95	18.43	18.32	18.20	18.40	18.14	18.29	18.23	18.25	18.10	18.13	18.07
Eom	18.87	18.35	18.46	18.01	18.64	18.34	18.11	18.25	18.27	18.15	18.08	18.40

Pasco County

13. C. C. Cone. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 25 S., R. 19 E. Drilled unused water-table well in Floridan aquifer, diam 6 in, depth 49 ft, cased to 43. Lsd 80.5 ft above msl. MP top of casing, at lsd. Highest water level 3.60 below lsd, Sept. 18, 1953; lowest 10.5 below lsd, June 1945. Records available: 1934, 1936-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	7.47	7.27	7.48	8.46	8.57	9.04	8.45	7.45	6.62	6.81	7.62	8.24
10	7.60	7.19	7.67	8.04	7.76	9.22	8.18	7.72	6.83	7.00	7.58	8.31
15	7.70	6.71	7.83	8.20	9.37	7.99	7.34	7.21	7.15	7.78	8.40	
20	7.70	6.91	8.00	8.52	8.40	9.38	7.81	7.56	6.95	7.09	7.92	8.48
25	7.13	7.07	8.14	8.59	8.74	9.59	8.18	6.60	6.87	7.12	8.04	8.47
Eom	7.33	7.32	8.32	8.69	8.91	9.30	7.20	6.99	7.04	7.40	8.11	8.60

1957

5	8.68	8.62	7.99	6.38	....	6.14	5.28	5.52	4.27	6.25	6.67	
10	8.78	8.60	7.87	6.70	....	5.73	6.62	5.40	5.00	5.20	6.44	6.56
15	8.83	8.84	8.01	6.80	....	6.20	6.83	5.90	4.98	5.22	6.44	6.77
20	8.92	8.76	8.22	7.02	....	6.67	6.88	6.05	4.44	5.70	6.31	6.82
25	8.27	8.23	7.41	....	....	5.89	6.54	5.07	4.50	5.80	6.41	6.94
Eom	8.44	8.20	7.58	....	....	6.23	6.50	5.64	5.02	6.06	6.45	6.16

1958

5	6.20	5.89	4.39	5.26	6.09	6.60	4.99	5.84	5.59	4.93	5.27	5.80
10	5.99	5.83	4.92	4.56	6.40	6.90	5.43	4.52	5.96	5.60	5.20	6.10
15	5.68	5.51	4.98	4.98	5.71	6.80	5.47	4.80	6.18	5.96	5.68	5.97
20	5.99	5.93	4.53	5.62	5.97	7.10	5.69	4.64	5.52	4.86	5.94	6.21
25	5.39	6.00	4.60	5.39	5.70	6.05	6.03	5.32	5.58	5.54	6.10	6.30
Eom	5.52	4.79	4.60	5.85	6.20	5.47	6.15	5.65	5.90	5.00	6.04	5.64

16. A. Messick. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 34, T. 25 S., R. 21 E. Drilled unused artesian well in Floridan aquifer, diam 8 in, depth 1,008 ft, cased to 20. Lsd 135.5 ft above msl. MP top of casing, at lsd. Highest water level 54.6 below lsd, September 1945; lowest 74.03 below lsd, July 1, 1956. Records available: 1936-58.

FLORIDA, PINELLAS COUNTY

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16--Continued.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	70.40	71.52	71.92	72.55	73.05	e73.50	e73.92	73.55	72.80	71.08	....	70.06
10	70.55	71.58	71.99	72.55	73.12	73.65	e73.84	73.45	72.43	....	69.66	70.24
15	70.79	71.68	72.10	72.69	73.17	73.73	73.77	73.35	71.94	....	69.62	70.50
20	e71.00	71.73	72.20	72.76	73.25	e73.82	73.73	73.26	71.65	....	69.67	70.81
25	71.22	71.82	72.35	72.83	73.35	e73.92	73.70	73.15	71.43	....	69.75	71.05
Eom	71.40	71.87	72.50	72.95	73.42	73.96	73.65	e73.00	71.24	....	69.87	71.25

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	71.48	72.70	73.49	73.33	72.28	70.98	70.49	69.46	65.80	64.54	65.08	66.66
10	71.74	72.87	73.57	72.91	72.19	70.86	70.35	68.59	65.54	64.39	65.40	66.81
15	71.95	73.05	73.68	72.65	61.87	70.78	70.25	68.00	65.27	64.33	65.55	67.14
20	72.18	73.19	73.81	72.44	71.48	70.73	70.17	67.69	65.12	64.45	65.85	67.42
25	72.30	73.26	73.81	72.38	71.21	70.70	69.95	67.20	64.98	64.45	66.05	67.76
Eom	72.52	73.33	73.67	72.35	71.01	70.63	69.70	66.24	64.74	64.79	66.32	68.08

e Estimated.

Pinellas County

13. U. S. Geol. Survey. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13, T. 27 S., R. 15 E. Drilled observation artesian well in Floridan aquifer, diam 6 in, depth 141 ft, cased to 33. Lsd 11.88 ft above msl. MP top of casing, 2.90 ft above lsd. Highest water level 6.65 below lsd, Aug. 17, 1949; lowest 10.72 below lsd, June 9, 1956. Records available: 1947-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	68.40	69.10	68.00	64.34	64.20	64.94	65.48	65.25	65.00	66.19	67.31	67.72
10	68.60	69.06	66.69	64.15	64.45	65.11	65.20	65.28	65.17	66.40	67.39	67.81
15	68.75	68.98	65.93	63.93	64.66	65.32	65.09	65.05	65.38	66.60	67.42	67.97
20	68.99	69.13	e65.42	64.00	64.62	65.63	65.02	64.85	65.58	66.76	67.46	68.14
25	69.09	69.24	64.87	63.98	64.02	65.81	65.04	64.76	65.77	66.91	67.52	68.38
Eom	69.05	69.08	e64.54	64.06	64.80	65.78	65.20	64.88	65.99	67.13	67.67	68.46

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	9.33	9.28	9.42	....	9.18	9.01	8.85	8.74	8.62	7.99	8.86	8.94
10	8.97	9.07	9.20	8.23	8.87	8.85	8.86	8.99	8.60	9.01	9.04	9.31
15	9.09	9.20	9.02	8.41	8.88	9.37	9.33	8.97	8.34	9.93	8.71	9.00
20	9.20	9.05	9.27	9.03	9.03	8.96	e9.07	8.84	8.20	8.84	8.83	9.04
25	9.14	9.28	9.25	8.73	8.86	9.02	e8.98	8.82	7.89	8.80	9.00	9.48
Eom	9.30	9.63	....	9.08	9.25	9.29	e9.04	8.84	8.36	8.61	8.78	9.01

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	9.19	9.38	8.86	8.74	8.87	8.95	8.99	7.81	9.06	7.86	8.62	9.66
10	9.21	9.24	9.21	9.38	8.83	8.54	9.04	7.61	9.04	8.56	8.78	9.10
15	8.94	9.00	8.88	9.61	8.84	8.27	8.90	8.30	9.30	9.14	8.70	9.33
20	9.85	9.02	8.98	9.26	9.10	8.30	8.78	8.90	9.27	8.64	8.70	8.91
25	9.58	8.98	9.09	9.17	9.09	8.18	8.57	8.73	9.10	8.21	8.78	9.27
Eom	9.30	8.94	8.91	8.80	8.72	8.54	8.39	9.30	8.32	8.58	8.88	9.43

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	9.98	9.35	8.91	8.83	9.00	9.22	8.97	8.76	8.99	8.86	8.80	9.32
10	9.74	9.98	9.03	8.68	9.14	9.35	9.01	8.81	8.94	9.00	8.73	9.50
15	9.43	9.76	9.90	8.94	9.10	9.20	8.82	8.64	8.77	9.32	8.84	9.33
20	9.34	9.73	9.60	9.50	9.01	9.10	8.75	8.70	9.00	9.01	9.08	9.59
25	9.13	9.61	9.45	9.27	9.20	9.25	8.62	8.76	8.82	8.80	9.09	9.28
Eom	e8.89	9.40	9.01	9.12	9.14	8.89	8.57	8.92	8.81	8.80	9.05	9.21

e Estimated.

77. Dr. Paul E. Allen. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 28 S., R. 15 E. Drilled unused artesian well in Floridan aquifer, diam 10 in, reported depth 282 ft. Lsd 69.50 ft above msl. MP top of casing, at lsd. Highest water level 62.79 below lsd, Sept. 6, 1950; lowest 68.28 below lsd, Dec. 27, 1956. Records available: 1947-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	65.68	65.33	65.94	65.84	65.92	65.66	65.43	65.18	64.87	64.65	65.21	.....
10	65.20	65.28	66.22	64.98	65.85	65.51	65.50	65.24	65.20	65.32	65.45	.....
15	65.60	65.43	65.75	64.76	65.40	65.70	65.70	65.34	64.93	65.81	65.13	65.62
20	65.72	65.27	65.53	65.53	65.73	65.33	65.55	65.24	64.72	65.05	65.41	65.83
25	65.35	65.30	65.52	65.85	66.15	65.55	65.40	65.11	64.12	64.96	65.78	65.71
Eom	65.53	65.62	65.84	65.99	65.69	65.88	65.45	65.11	64.95	64.90	.....	65.70

77--Continued.

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	66.13	65.92	65.12	64.98	64.88	64.93	64.74	64.15	64.02	63.20	64.10	65.01
10	66.30	65.71	65.40	65.43	65.01	64.17	64.84	63.98	63.88	63.58	64.44	64.78
15	65.78	65.71	65.37	65.64	64.79	64.58	64.86	64.07	63.80	63.83	64.20	65.21
20	66.39	65.66	65.71	65.40	64.85	64.78	64.77	64.26	63.70	63.87	64.08	64.73
25	65.89	65.40	65.22	65.39	64.92	64.49	64.50	64.00	63.74	63.53	64.13	65.11
Eom	65.88	65.27	65.38	65.27	64.80	64.65	64.33	64.18	63.47	64.13	64.36	65.10

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	65.84	65.38	64.77	64.28	65.05	65.20	64.72	64.63	64.52	64.46	64.52	65.13
10	65.56	65.55	64.74	64.30	65.50	65.50	64.83	64.52	64.50	64.70	64.34	65.28
15	64.94	65.36	65.10	64.40	65.20	65.72	64.60	64.27	64.34	65.09	64.61	65.17
20	65.13	65.60	65.03	64.88	64.83	65.46	64.60	64.33	64.42	64.68	64.80	65.40
25	65.01	65.25	64.66	64.87	64.82	65.07	64.51	64.48	64.48	64.53	64.89	65.07
Eom	64.73	64.88	64.50	64.82	65.22	64.83	64.58	64.72	64.60	64.53	65.15	65.19

246. City of Clearwater. Garden and Marshall Sts. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 29 S., R. 15 E. Drilled unused artesian well in Floridan aquifer, diam 10 in, reported depth 100 ft. Lsd 32.27 ft above msl. MP top of casing, at lsd. Highest water level 23.64 below lsd, Sept. 6, 1950; lowest 28.72 below lsd, May 25, 1956. Records available: 1945-58.

Highest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.03	26.71	27.24	27.76	27.66	27.42	26.59	26.97	26.05	25.55	26.26	26.77
10	26.75	26.71	27.53	26.62	27.08	27.17	26.70	26.87	26.23	26.05	26.37	26.88
15	26.88	.....	27.48	26.75	27.41	.....	26.98	26.38	26.13	26.39	26.30	26.61
20	26.84	.....	27.57	27.47	27.83	.....	27.12	26.19	e25.76	25.75	26.70	26.96
25	26.67	.....	27.73	27.53	28.00	.....	26.88	26.08	25.17	25.76	26.55	26.81
Eom	27.00	27.26	27.85	27.65	27.23	27.30	26.84	26.31	25.95	25.90	26.55	26.65

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.10	26.82	25.88	25.63	25.50	.....	.....	24.94	24.88	24.55	25.36	25.82
10	26.97	26.83	26.36	25.82	25.73	.....	.....	24.94	24.82	24.94	25.70	25.47
15	26.74	27.04	26.32	.....	25.50	.....	e25.52	25.11	24.80	24.97	25.21	26.05
20	27.06	26.47	26.33	.....	25.62	.....	25.52	25.04	24.82	25.27	25.04	25.58
25	26.65	26.04	25.86	26.15	25.75	.....	25.32	24.80	24.96	24.67	25.10	25.98
Eom	26.75	25.96	26.18	25.60	25.90	.....	25.05	25.05	24.67	25.35	25.23	25.97

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	26.42	25.80	25.35	24.85	25.61	26.06	.....	.....	25.20	25.07	.....	25.36
10	26.03	25.95	25.22	24.96	26.15	26.16	.....	.....	25.42	25.18	.....	25.67
15	25.40	25.62	25.74	24.95	25.87	26.17	.....	.....	25.14	.....	25.21	25.62
20	25.53	26.06	25.50	25.46	25.51	26.55	.....	25.07	25.17	.....	25.57	25.90
25	25.60	27.74	25.04	25.50	25.57	25.75	.....	25.20	25.27	.....	25.76	25.64
Eom	25.34	25.43	25.06	25.64	25.88	25.65	.....	25.65	25.47	.....	25.82	25.68

e Estimated.

561. City of St. Petersburg. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 30 S., R. 16 E. Drilled unused artesian well in Floridan aquifer, diam 14 in, reported depth 300 ft. Lsd 9.72 ft above msl. MP top of casing, at lsd. Highest water level 0.07 below lsd, Sept. 5, 1950; lowest 4.04 below lsd, May 23, 1956. Records available: 1947-58.												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	3.05	2.79	3.15	3.53	3.55	3.22	e2.55	e2.44	e2.14	1.97	2.46	3.11
10	2.82	2.82	3.57	2.97	3.25	3.20	e2.58	2.65	2.46	2.36	2.77	3.30
15	2.95	e2.82	3.41	2.57	3.16	e3.01	e2.88	e2.47	2.20	2.67	2.42	3.05
20	2.81	2.64	3.31	3.37	3.67	2.79	2.90	2.32	2.00	2.14	2.80	3.20
25	2.72	2.69	3.54	3.51	3.78	e2.94	e2.67	e2.28	e1.42	2.03	2.91	3.08
Eom	3.05	3.05	3.54	3.54	e3.37	e3.00	e2.65	e2.28	2.24	2.25	2.82	3.02

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	3.23	3.16	2.21	2.08	1.95	2.22	1.71	.....	1.62	1.50	2.22	2.58
10	3.25	3.08	2.58	2.48	2.33	1.62	1.96	.....	1.69	1.81	2.65	2.36
15	2.99	3.23	2.46	2.71	2.08	2.04	1.97	.....	1.67	1.90	2.11	2.89
20	3.53	2.85	2.50	2.54	2.04	2.18	.....	.....	1.67	2.03	1.88	2.37
25	3.00	2.58	2.07	2.58	2.23	1.85	.....	.....	1.79	1.60	1.90	2.79
Eom	2.98	2.28	2.58	2.17	2.10	1.94	.....	1.90	1.52	2.27	2.05	2.63

e Estimated.

561--Continued.

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	3.42	2.75	e2.35	1.72	e2.44	2.97	2.17	2.20	2.07	1.95	1.85	2.15
10	2.82	2.74	e1.93	1.76	2.82	3.00	2.35	1.97	2.05	1.97	1.65	2.37
15	2.20	e2.45	e2.46	1.76	2.83	2.79	2.17	1.82	1.95	2.31	1.95	2.33
20	2.53	e2.94	2.38	e2.10	2.37	3.01	2.13	1.87	2.03	1.97	2.25	2.66
25	2.20	2.50	1.94	2.21	2.40	2.64	2.07	1.95	2.09	2.00	2.41	2.32
Eom	2.29	e2.04	1.87	e2.36	2.71	2.42	2.33	2.39	2.17	1.85	2.66	2.36

e Estimated.

Polk County

44. P. E. Williams. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 28, T. 26 S., R. 27 E. Drilled unused artesian well in Floridan aquifer, diam 10 in, depth 180 ft. Lsd 113.14 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 0.28 below lsd, Oct. 9, 1953; lowest 5.35 below lsd, June 20, 1956. Records available: 1945-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	4.00	3.97	4.30	4.79	4.25	4.96	4.72	4.69	4.01	3.65	....	2.50
10	3.99	3.96	4.39	4.55	4.15	5.17	4.07	4.75	4.18	3.27	1.93	2.56
15	4.05	4.04	4.45	4.62	4.31	5.24	4.17	4.88	4.33	....	2.07	2.71
20	4.07	4.11	4.55	4.84	4.64	5.24	4.41	4.22	3.90	....	2.20	2.84
25	3.80	4.20	4.61	4.72	4.69	5.24	4.51	4.05	4.04	....	2.27	2.71
Eom	3.91	4.31	4.75	4.51	4.85	5.07	4.75	3.96	4.15	....	2.36	2.90

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	3.11	3.34	3.22	2.94	2.96	2.20	2.48	2.36	....	....	2.41	2.80
10	3.20	3.44	3.15	3.14	3.20	2.10	2.69	2.35	....	1.88	2.56	2.75
15	3.22	3.59	3.38	2.93	2.33	2.54	2.51	....	....	1.89	2.59	2.87
20	3.30	3.48	3.51	2.79	2.10	2.65	2.33	....	....	2.09	2.70	2.93
25	3.05	3.11	3.00	3.17	2.47	2.56	2.49	....	....	2.09	2.74	2.93
Eom	3.25	3.11	3.15	3.13	2.57	2.59	2.48	....	....	2.25	2.78	2.80

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	2.80	2.68	2.30	2.30	2.58	e2.74	2.42	2.83	3.15	3.38	3.40	3.68
10	2.75	2.67	2.40	2.05	2.78	e2.87	2.48	2.84	3.20	3.56	3.24	3.78
15	2.73	2.57	2.35	1.98	2.25	e2.97	2.41	2.81	3.32	3.67	3.46	3.78
20	2.83	2.75	2.26	2.26	2.44	e3.05	2.61	e2.92	3.42	3.50	3.64	3.92
25	2.43	2.83	e2.16	2.29	2.27	3.01	2.54	3.06	3.34	3.61	3.69	3.88
Eom	e2.50	2.33	2.12	2.49	2.52	2.45	2.74	3.08	3.52	3.45	3.77	3.55

e Estimated.

45. Claude Hardin. Sand Gulley. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 36, T. 28 S., R. 23 E. Drilled unused artesian well in Floridan aquifer, diam 18 to 12 in, depth 643 ft (previously reported as 768 ft), cased to 325. MP top of 18-in casing, 0.50 ft above lsd. Highest water level 58.75 below lsd, Oct. 18, 1948; lowest 78.18 below lsd, Apr. 27, 1956. Records available: 1948-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	70.99	73.88	76.25	....	....	74.53	....	72.56	70.46	69.24	68.87	70.19
10	71.08	73.95	....	....	....	75.03	....	73.05	70.18	69.10	69.48	70.62
15	71.97	73.93	....	....	74.51	e75.50	....	72.19	70.41	68.29	69.51	71.48
20	72.38	74.33	....	....	74.75	e74.85	....	71.73	69.89	68.73	69.91	72.32
25	72.54	74.88	....	....	75.01	....	....	71.75	69.18	68.57	69.92	71.90
Eom	73.22	75.01	....	....	74.48	....	72.55	71.37	69.58	68.66	70.27	71.53

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	72.30	71.20	....	....	67.71	e66.23	....	65.25	63.36	62.24	63.76	66.89
10	72.53	71.17	....	....	67.94	66.23	....	65.50	63.34	62.00	64.89	66.43
15	72.51	71.40	....	....	66.80	66.58	....	64.91	62.86	62.07	65.22	66.62
20	73.00	71.02	....	....	66.23	66.73	66.50	64.55	62.67	62.52	65.70	66.75
25	72.10	70.30	....	67.88	67.20	66.90	66.40	64.21	62.57	62.74	66.30	66.48
Eom	71.54	69.97	68.78	67.45	e66.57	....	66.08	64.28	62.43	63.30	66.96	66.19

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	66.01	65.68	65.65	64.87	65.39	66.44	66.84	66.83	....	....	67.32	67.44
10	66.18	65.66	65.70	64.78	65.80	66.95	e66.75	66.64	....	....	66.97	67.45
15	65.79	65.50	65.80	64.90	65.32	67.96	66.65	66.45	....	....	67.47	67.41
20	66.00	65.60	65.60	65.10	65.47	69.09	66.50	66.39	....	....	67.84	67.71
25	65.77	65.72	64.97	65.20	65.32	68.50	66.82	66.61	....	67.79	67.85	67.58
Eom	65.63	65.60	64.66	65.39	65.97	67.93	66.98	66.89	....	67.60	67.95	66.82

e Estimated.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

47. U. S. Geol. Survey. About 2 mi northwest of Davenport. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 33, T. 26 S., R. 27 E. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 67 ft, cased to 60, gravel-packed 57-67. Lsd 156.50 ft above msl. MP top of casing, 2.80 ft above lsd. Highest water level 42.97 below lsd, Oct. 8, 1948; lowest 49.57 below lsd, June 30-July 8, 1956. Records available: 1948-58.

Highest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	48.65	.....	48.95	49.21	.....	49.27	49.57	49.10	48.86	48.63	43.48	45.14
10	48.68	.....	48.97	.....	.....	49.33	49.49	49.11	48.79	48.55	43.83	45.38
15	48.71	.....	49.01	.....	.....	49.39	49.30	49.11	48.76	48.27	44.12	45.58
20	48.75	.....	49.05	.....	49.18	49.45	49.21	49.15	48.73	47.22	44.40	45.77
25	.....	.....	49.09	.....	49.17	49.50	49.14	49.04	48.67	44.21	44.62	45.98
Eom	.....	.....	49.15	.....	49.21	49.56	49.10	48.95	48.65	43.36	44.90	46.20
1957												
5	.....	47.19	47.70	47.62	47.40	46.00	45.68	46.09	46.33	45.70	45.94	46.56
10	.....	47.28	47.72	47.59	47.36	45.62	45.76	46.12	46.31	45.60	46.06	46.79
15	46.70	46.62	47.75	47.54	47.32	45.39	45.85	46.20	46.20	45.60	46.13	46.90
20	46.83	47.53	47.78	47.50	47.13	45.30	45.42	46.27	46.09	45.63	46.26	47.00
25	47.00	47.63	47.82	47.43	46.89	45.36	45.95	46.36	45.94	45.70	46.41	47.09
Eom	47.11	47.68	47.71	47.41	46.43	45.51	45.94	46.37	45.81	45.84	46.56	47.19
1958												
5	47.27	47.33	47.30	46.89	e46.66	.....	.....	.....	e47.50	47.94	e48.32	48.61
10	47.31	47.33	47.19	46.84	e46.63	.....	46.95	.....	e47.58	e48.03	e48.38	48.66
15	47.31	47.37	47.12	46.78	e46.58	.....	46.93	.....	e47.66	e48.08	e48.44	48.70
20	47.35	47.40	47.07	e46.76	.....	.....	.....	e47.26	e47.74	e48.13	48.49	48.72
25	47.39	47.40	.....	e46.73	.....	.....	.....	e47.34	e47.81	e48.20	48.49	48.77
Eom	47.35	47.40	46.95	e46.70	.....	.....	.....	e47.43	e47.89	e48.27	48.56	48.80

e Estimated.

48. U. S. Geol. Survey. On Florida Highway 17, 2.7 mi south of Frostproof. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 9, T. 32 S., R. 28 E. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 62 ft, cased to 59, gravel-packed 52-62. Lsd 144.00 ft above msl. MP top of casing, 3.31 ft above msl. Highest water level 38.08 below lsd, Oct. 7, 1948; lowest 47.80 below lsd, June 4, 1956. Records available: 1949-58.

Highest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	47.05	47.23	47.45	47.55	47.62	47.76	47.44	47.35	46.70	46.13	45.81	46.11
10	47.10	47.26	47.46	47.54	47.64	47.59	47.26	47.44	46.49	46.14	45.85	46.18
15	47.15	47.31	47.45	47.56	47.65	47.54	47.16	47.49	46.38	46.16	45.88	46.22
20	47.19	47.35	47.49	47.57	47.68	47.55	47.13	47.51	46.27	45.90	45.94	46.30
25	47.21	47.40	47.52	47.59	47.72	47.55	47.14	47.54	46.16	45.80	46.00	46.36
Eom	47.22	47.43	47.54	47.59	47.77	47.55	47.25	47.04	46.13	45.79	46.05	46.44
1957												
5	46.87	46.56	46.35	45.86	44.63	44.53	44.62	44.57	44.29	44.02	43.95	44.18
10	46.50	46.60	46.18	45.80	44.58	44.50	44.64	44.49	44.23	43.95	44.00	44.24
15	46.55	46.65	46.11	45.76	44.60	44.50	44.56	44.43	44.24	43.94	44.00	44.30
20	46.57	46.66	46.12	45.62	44.58	44.55	44.54	44.42	44.18	43.95	44.05	44.30
25	46.44	46.57	46.05	45.18	44.62	44.60	44.58	44.37	44.15	43.95	44.09	44.30
Eom	46.47	46.47	45.98	44.80	44.68	44.62	44.63	44.31	44.15	43.94	44.11	44.30
1958												
5	44.33	44.12	44.17	44.14	43.56	43.75	44.04	44.39	44.77	45.08	45.42	45.65
10	44.31	44.16	44.15	44.18	43.55	43.82	44.05	44.48	44.81	45.13	45.45	45.63
15	44.27	44.17	44.19	44.14	43.54	43.84	44.11	44.54	44.85	45.23	45.50	45.67
20	44.35	44.20	44.20	43.86	43.54	43.93	44.16	44.60	44.91	45.27	45.56	45.72
25	44.24	44.25	44.15	43.74	43.57	44.01	44.22	44.65	44.95	45.32	45.61	45.78
Eom	44.09	44.21	44.12	43.63	43.66	44.02	44.33	44.73	45.03	45.38	45.67	45.69

49. U. S. Geol. Survey. On Florida Highway 630, 0.2 mi southwest of intersection of Florida Highway 60. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 31 S., R. 30 E. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 17 ft, cased to 14, gravel-packed 9-17. Lsd 105.00 ft above msl. MP top of casing, 3.00 ft above msl. Highest water level 0.31 above lsd, Nov. 25, 1953; lowest 5.89 below lsd, May 4-10, 1956. Records available: 1949-58.

Highest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	4.60	5.02	5.32	5.69	5.89	5.54	3.45	4.34	1.64	2.29	1.94	2.86
10	4.67	5.08	5.38	5.75	5.88	5.34	3.45	3.69	1.93	2.73	2.03	2.96
15	4.75	5.11	5.42	5.78	5.76	4.61	3.76	2.77	2.58	.37	2.27	3.06
20	4.82	5.16	5.50	5.79	5.76	4.28	4.05	3.07	2.03	.88	2.45	3.15
25	4.88	5.21	5.54	5.82	5.82	4.27	4.10	2.31	2.67	1.42	2.62	3.25
Eom	4.97	5.25	5.62	5.84	5.73	4.19	4.17	2.95	2.35	1.72	2.75	3.39

FLORIDA, PUTNAM COUNTY

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49--Continued.

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	3.47	3.34	1.60	1.55	1.17	0.46	1.68	1.74	1.75	0.97	2.44
10	3.57	3.49	1.73	2.10	.98	.90	2.25	1.68	1.42	1.37	2.60	....
15	3.66	3.66	1.85	1.48	.28	1.55	2.22	2.17	1.51	1.12	2.71	2.73
20	3.77	2.94	2.33	.98	1.07	1.96	1.64	1.57	1.05	1.37	....	2.90
25	2.68	1.79	1.37	1.82	1.38	1.08	1.45	1.27	1.17	1.91	....	1.63
Eom	3.09	1.52	1.96	1.48	.92	1.72	1.38	1.95	.40	2.23	....	1.57

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	1.21	1.30	0.44	1.22	2.03	2.09	1.73	2.02	0.98	1.58	1.78	1.67
10	1.16	1.39	1.10	.93	2.15	2.45	2.03	.12	1.38	2.16	1.82	2.25
15	1.20	.50	1.05	.14	1.30	2.67	1.40	.79	1.52	2.53	2.22	2.36
20	1.57	1.48	.70	1.13	1.97	2.90	1.54	.80	1.98	.97	2.46	2.57
25	.65	1.72	.48	1.25	.70	2.57	1.20	1.19	1.83	1.78	2.65	2.72
Eom	1.02	1.01	.65	1.78	1.55	2.25	1.34	1.69	2.25	1.17	2.78	1.50

51. Mrs. Flora P. Coley. 48 1st St., Frostproof. Sec. 28, T. 31 S., R. 28 E. Drilled cased artesian well in Floridan aquifer, diam 6 in, reported depth 490 ft, cased to 325. MP top of casing, at lsd. Highest water level 3.68 below lsd, Oct. 25, 1953; lowest 17.04 below lsd, Apr. 9, 1956. Records available: 1949-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	9.20	10.20	12.84	14.60	12.43	11.86	8.59	8.11	7.13	6.71	6.36	7.27
10	9.39	11.31	13.00	14.75	10.98	11.12	8.39	8.31	7.10	6.72	6.44	7.45
10	10.27	11.65	11.52	12.35	10.31	10.79	8.21	8.10	7.04	6.32	6.40	8.66
20	11.32	11.45	10.75	13.93	10.88	9.14	8.16	8.03	6.81	6.32	6.57	9.67
25	11.09	12.59	11.60	14.47	12.80	8.84	8.11	7.91	6.67	6.25	6.50	8.78
Eom	11.24	12.13	12.62	13.00	12.17	8.81	8.17	7.50	6.70	6.20	6.60	9.30

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	10.49	9.32	7.21	6.44	6.10	5.80	5.76	5.40	5.11	....	5.43	6.99
10	11.01	8.31	7.10	6.44	6.26	5.66	5.80	5.32	5.08	4.62	5.85	6.33
15	12.42	8.01	6.97	6.41	5.94	5.86	5.82	5.30	4.94	4.71	6.35	6.51
20	11.92	8.13	6.86	6.29	5.81	5.78	5.79	5.14	4.91	4.81	6.83	6.40
25	10.11	7.53	6.69	6.20	6.35	5.66	5.80	5.06	5.00	4.69	7.37	6.27
Eom	9.65	7.38	6.71	6.12	5.99	5.78	5.50	5.18	....	5.21	7.46	6.20

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.99	....	....	5.06	5.10	5.52	5.83	5.72	5.61	5.69	6.60	6.97
10	5.99	....	....	5.10	5.44	6.05	5.82	5.60	5.45	6.27	6.40	6.46
15	6.51	5.15	....	4.80	5.29	6.19	5.68	5.55	5.48	6.89	6.70	6.38
20	6.94	5.42	....	4.98	5.27	7.32	5.60	5.69	5.89	7.09	6.82	6.38
25	5.79	5.33	....	5.06	5.08	6.38	5.87	5.57	5.52	6.52	6.94	6.33
Eom	....	e 6.10	5.00	5.14	5.31	6.07	5.63	5.82	5.65	6.70	7.45	6.17

e Estimated.

Putnam County

28. R. O. Puckett. Fruitland. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 26, T. 12 S., R. 26 E. Drilled domestic artesian well in Floridan aquifer, diam 6 in, depth 159 ft. Lsd 25.7 ft above msl (previously reported 25.8 ft above msl). MP top of casing, 3.00 ft above lsd. Highest water level 4.9 below lsd, September 1943; lowest 9.67 below lsd, Apr. 30, 1957. Records available: 1936-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1956	8.55	Nov. 14, 1956	7.91	Aug. 6, 1957	7.60	Apr. 14, 1958	7.07
Feb. 16	8.50	Jan. 3, 1957	8.70	Sept. 20	7.29	May 30	7.84
Apr. 4	9.38	Feb. 19	9.38	Nov. 5	7.54	July 30	7.73
May 21	9.14	Mar. 21	8.77	Dec. 5	7.93	Sept. 25	8.32
July 9	8.85	Apr. 30	9.67	Jan. 16, 1958	7.59	Nov. 10	7.62
Aug. 22	8.97	June 11	8.11	Mar. 4	7.28	Dec. 30	8.04
Oct. 2	8.70	July 11	8.11				

28. C. L. Conway. Palatka. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 1, T. 10 S., R. 26 E. Drilled public-supply artesian well in Floridan aquifer, diam 8 in, reported depth 300 ft. Lsd 22.2 ft above msl. MP chiseled cross on horizontal pipe, 2.00 ft above lsd. Highest water level 12.1 above lsd, Oct. 1, 1953; lowest 2.60 above lsd, Feb. 18, 1957. Records available: 1936-58.

Jan. 6, 1956	+6.25	Nov. 13, 1956	+5.35	Aug. 5, 1957	+5.15	Apr. 11, 1958	+5.82
Feb. 16	6.38	Jan. 2, 1957	3.85	Sept. 19	5.61	May 30	5.19
Apr. 3	3.67	Feb. 18	2.60	Nov. 4	5.57	July 29	5.11
May 21	4.47	Mar. 20	4.02	Dec. 4	5.18	Sept. 17	5.27
July 5	4.84	Apr. 29	3.58	Jan. 15, 1958	5.30	Nov. 10	5.75
Aug. 21	4.03	June 10	4.81	Mar. 3	5.55	Dec. 30	5.52
Oct. 1	4.18	July 10	4.80				

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

St. Johns County

2. P. J. Manucy. Vilano Beach. $SE_1^4SE_1^4$ sec. 5, T. 7 S., R. 30 E. Drilled domestic artesian well in Floridan aquifer, diam 6 in, reported depth 198 ft, cased to 195. Lsd 6.09 ft above msl. MP top of 6-in tee, 2.70 ft above lsd. Highest water level 32.0 above lsd, Aug. 16, 1949; lowest 17.8 above lsd, Aug. 19, 1956. Records available: 1934, 1940-42, 1944-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	+22.4	Jan. 4, 1957	+19.0	Aug. 5, 1957	+22.0	Apr. 16, 1958	+24.6
Feb. 14	22.7	Feb. 20	20.0	Sept. 20	24.2	June 9	21.2
Apr. 5	19.3	Mar. 20	20.1	Nov. 1	23.6	July 24	21.0
July 3	20.9	May 1	18.6	Dec. 4	22.8	Sept. 16	23.2
Aug. 19	17.8	June 12	22.6	Jan. 15, 1958	23.4	Nov. 7	23.8
Oct. 4	19.3	July 10	20.7	Mar. 5	25.1	Dec. 29	25.7
Nov. 19	24.2						

3. Francis Usina. $SW_1^4SW_1^4$ sec. 29, T. 7 S., R. 30 E. Drilled domestic artesian well in Floridan aquifer, diam 4 in, reported depth 216 ft, cased to 104. Lsd 6.55 ft above msl. MP top of 4-in valve, 1.10 ft above lsd. Highest water level 39.6 above lsd, June 22, 1934; lowest 23.9 above lsd, Aug. 19, 1956. Records available: 1934, 1940-41, 1944-58.

Jan. 4, 1956	+28.2	Nov. 19, 1956	+30.5	Aug. 5, 1957	+28.3	Apr. 16, 1958	+30.4
Feb. 15	27.9	Jan. 4, 1957	24.5	Sept. 20	29.6	June 9	28.6
Apr. 5	24.0	Feb. 20	25.0	Nov. 1	29.9	July 24	27.9
May 22	26.6	Mar. 20	26.1	Dec. 4	28.9	Sept. 16	28.6
July 3	27.9	May 1	24.7	Jan. 15, 1958	30.1	Nov. 7	29.1
Aug. 19	23.9	June 12	28.0	Mar. 5	30.5	Dec. 29	30.7
Oct. 4	25.6	July 10	27.4				

5. G. L. Oesterricker. Palm Valley. Sec. 54, T. 4 S., R. 29 E. Drilled domestic artesian well in Floridan aquifer, diam 6 in, reported depth 350 ft, cased to 240. Lsd 4.53 ft above msl. MP faucet at northwest corner of residence, 1.20 ft above lsd. Highest water level 46.2 above lsd, Nov. 9, 1948; lowest 34.1 above lsd, Aug. 19, 1956. Records available: 1934, 1940, 1944-58.

Jan. 4, 1956	+39.2	Nov. 19, 1956	+42.2	Aug. 5, 1957	+40.2	Apr. 16, 1958	+41.3
Feb. 15	42.2	Jan. 2, 1957	36.8	Sept. 20	41.0	June 10	40.0
Apr. 5	37.2	Feb. 20	36.6	Nov. 1	41.3	July 24	39.7
May 22	37.1	Mar. 20	36.8	Dec. 5	40.3	Sept. 16	39.1
July 3	39.4	May 1	36.7	Jan. 15, 1958	40.2	Nov. 7	40.8
Aug. 19	34.1	June 12	38.7	Mar. 5	40.3	Dec. 29	41.2
Oct. 4	36.0	July 11	39.3				

8. Ponce de Leon Raceway, Inc. $NE_1^4NE_1^4$ sec. 4, T. 5 S., R. 28 E. Drilled stock artesian well in Floridan aquifer, diam 6 in, reported depth 336 ft, cased to 240. Lsd 17.77 ft above msl. MP top flange of 6-in valve, 0.50 ft above lsd. Highest water level 37.0 above lsd, Aug. 28, 1934; lowest 22.5 above lsd, Jan. 4, 1956. Records available: 1934, 1940-42, 1944, 1946-58.

Jan. 4, 1956	+22.5	Nov. 19, 1956	+28.8	Aug. 5, 1957	+28.7	Apr. 16, 1958	+28.0
Feb. 15	27.6	Jan. 2, 1957	25.3	Sept. 20	29.2	June 10	28.0
Apr. 5	25.2	Feb. 20	24.8	Nov. 1	29.1	July 24	28.0
May 22	25.1	Mar. 20	25.4	Dec. 4	28.4	Sept. 16	28.3
July 3	27.4	May 2	23.7	Jan. 15, 1958	28.0	Nov. 7	28.6
Aug. 19	23.0	June 12	27.4	Mar. 5	28.6	Dec. 29	28.8
Oct. 4	23.6	July 11	27.6				

9. Ponce de Leon Hotel. St. Augustine. T. 7 S., R. 30 E. Drilled unused artesian well in Floridan aquifer, diam 13 in, depth 1,400 ft, cased to 170. MP top of $\frac{1}{4}$ -in pipe, 4.00 ft above lsd. Highest water level 34.2 above lsd, June 2, 1947; lowest 21.2 above lsd, Aug. 19, 1956. Records available: 1930, 1940, 1946-58.

Jan. 4, 1956	+25.2	Nov. 19, 1956	+26.6	Aug. 5, 1957	+26.5	Apr. 16, 1958	+27.5
Feb. 15	25.6	Jan. 4, 1957	21.3	Sept. 20	26.5	June 9	23.9
Apr. 5	22.5	Feb. 20	22.9	Nov. 1	26.5	July 24	25.6
May 22	22.5	Mar. 21	22.8	Dec. 5	25.3	Sept. 16	26.5
July 5	23.5	May 1	22.5	Jan. 15, 1958	27.7	Nov. 7	26.8
Aug. 19	21.2	June 12	25.3	Mar. 5	27.3	Dec. 29	28.5
Sept. 26	22.6	July 10	24.6				

St. Lucie County

41. U. S. Geol. Survey. $NW_1^4NE_1^4$ sec. 15, T. 37 S., R. 37 E. Jetted observation water-table well in sand of Pleistocene age, diam 6 in, depth 17 ft, cased to 13, gravel-packed 12-17. Lsd 28.71 ft above msl. MP top of casing, 2.70 ft above lsd. Highest water level 28.74 above msl, Oct. 2, 1951; lowest 25.25 above msl, Apr. 6, 1951. Records available: 1950-58.

41--Continued.

Highest water level for the day, above msl, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+27.28	+26.66
10	27.06	26.85
15	+27.61	27.26	26.55
20	27.61	26.94	26.42
25	27.34	26.74	26.37
Eom	27.15	26.55	26.37

1951

5	+26.24	+27.07	+25.93	+25.28	+26.76	+25.64	+26.79	+26.95	+27.37	+27.49	+26.72	+26.68
10	26.16	26.77	25.79	27.24	26.43	25.47	27.58	28.13	26.78	27.45	26.57	26.50
15	26.11	26.53	25.84	27.22	26.24	26.06	27.26	28.04	26.57	27.66	26.49	26.42
20	26.03	26.35	25.66	28.13	26.09	26.56	27.56	27.32	26.54	27.29	27.07	26.33
25	25.98	26.18	25.56	27.29	25.87	26.68	27.67	27.12	26.32	27.21	26.90	26.28
Eom	25.88	26.08	25.42	27.06	25.88	27.14	27.21	27.34	27.63	26.94	26.67	26.20

1952

5	+26.14	+27.54	+27.12	+26.83	+26.01	+26.06	+27.24	+27.78	+26.83	+27.39	+27.36	+26.73
10	26.04	27.04	26.96	26.58	25.81	25.77	27.03	.....	27.36	27.57	27.18	26.65
15	25.99	26.81	28.09	26.43	25.95	25.97	27.30	.....	27.22	27.58	27.06	26.92
20	25.95	28.61	27.26	26.21	25.88	25.71	27.08	.....	27.24	28.41	27.28	26.68
25	26.19	26.66	26.94	26.11	26.06	26.53	27.11	.....	27.22	28.11	26.88	26.51
Eom	26.51	27.39	27.16	26.29	26.53	27.06	27.36	27.57	27.05	27.62	26.75	26.88

1953

5	+26.67	+27.31	+26.66	+26.67	+26.47	+26.06	+28.03	+27.77	+27.42	+27.80	+27.01	+27.42
10	27.42	27.27	26.46	27.56	26.31	25.99	28.01	27.86	27.66	27.83	26.88	27.07
15	27.04	27.36	27.49	27.47	26.06	25.70	27.14	27.22	27.41	27.53	.....	27.14
20	26.86	26.92	27.27	27.10	26.02	26.92	27.63	27.77	27.70	27.71	.....	26.79
25	27.23	27.23	27.34	26.74	25.74	27.53	27.76	28.13	27.57	27.39	27.26	26.94
Eom	27.43	26.91	26.87	26.84	e25.61	27.24	27.70	27.66	27.74	27.12	26.78	26.64

1954

5	+26.54	+26.07	+26.29	+26.41	+26.60	.....	.....	+27.26	.....	+27.53	+26.73	+26.87
10	26.60	26.24	26.73	26.82	26.20	.....	.....	27.76	.....	28.41	26.63	26.79
15	26.44	26.01	26.46	26.41	27.26	.....	.....	.....	.....	27.66	27.71	27.01
20	26.39	25.93	26.81	26.08	27.33	.....	.....	.....	.....	27.28	27.57	27.06
25	26.28	26.21	26.34	26.61	26.61	.....	+27.76	.....	.....	27.18	27.26	26.78
Eom	26.16	26.56	26.21	26.96	27.58	.....	28.06	.....	+27.57	26.99	27.06	26.69

1955

5	+26.59	+27.16	+26.61	+26.76	+25.72	+26.46	+27.81	+27.82	+28.04	+26.58	+26.59	+25.98
10	26.52	27.08	26.38	26.34	25.56	26.13	27.93	27.16	27.54	27.41	26.55	26.26
15	26.39	26.85	26.21	27.16	25.81	27.93	27.56	28.14	27.11	27.65	26.36	26.54
20	26.53	27.36	26.06	26.68	27.09	27.54	28.36	27.71	27.46	27.39	26.22	26.31
25	27.50	26.98	26.49	26.28	27.49	27.57	27.47	28.36	27.05	27.06	26.09	26.09
Eom	27.34	26.85	.....	25.97	e26.89	28.49	28.23	28.18	26.83	26.84	26.14	27.09

1956

5	+26.67	+26.91	+26.28	+25.65	+25.32	+25.37	+26.68	+25.79	+27.35	+28.21	+27.04	+26.51
10	26.48	27.01	26.60	25.65	26.41	25.86	26.58	26.21	28.04	27.61	26.87	26.48
15	26.31	27.26	26.47	25.47	26.21	25.64	26.45	26.47	27.10	28.73	26.68	26.69
20	26.25	26.89	26.14	25.34	25.87	25.52	26.15	26.48	27.32	27.79	26.69	26.58
25	27.24	26.62	25.94	25.28	25.59	25.72	25.93	27.34	26.90	27.47	26.61	26.46
Eom	27.12	26.48	25.80	25.42	25.41	26.40	26.11	27.33	27.42	27.15	26.57	26.48

1957

5	+26.33	+26.60	+27.22	+26.80	+27.50	+27.30	+27.50	+27.80	+28.13	+27.78	+26.80	+26.80
10	26.22	26.52	26.93	26.52	27.01	27.12	26.78	27.17	27.38	27.54	26.77	26.87
15	26.40	26.31	26.75	27.48	28.15	26.66	26.73	26.94	27.45	27.95	26.84	26.64
20	26.25	26.29	26.88	27.30	27.21	26.72	26.52	26.72	27.59	27.46	26.94	26.64
25	27.00	26.61	26.62	26.73	26.78	27.38	27.25	27.24	27.40	27.24	26.98	27.63
Eom	26.71	26.92	26.57	27.60	27.85	27.53	27.65	27.25	27.78	26.95	27.17	27.19

1958

5	+27.57	+27.02	+27.30	+27.16	+27.07	+26.86	+27.14	+28.03	+27.79	+26.94	+26.75	.....
10	27.30	27.13	27.20	27.38	26.67	26.62	26.67	28.24	27.78	26.95	26.66	.....
15	27.51	27.27	27.23	27.45	26.70	26.44	27.35	27.52	27.57	26.89	26.62	.....
20	27.09	26.92	27.33	26.97	27.50	26.25	27.52	27.42	27.10	27.51	26.40	.....
25	27.85	26.87	27.48	26.93	27.85	27.07	27.29	27.17	27.46	27.01	26.27	.....
Eom	27.24	27.00	27.58	26.73	27.18	27.11	27.90	27.71	27.10	27.00	.....	.....

e Estimated.

42. U. S. Geol. Survey. SE₁NW₁ sec. 7, T. 35 S., R. 37 E. Jetted observation water-table well in sand of Pleistocene age, diam 6 in, depth 18 ft, cased to 13, gravel-packed 12-18. Lsd 27.79 ft above msl. MP top of casing, 2.80 ft above lsd. Highest water level 30.19 above msl, Oct. 16, 1956; lowest 24.07 above msl, May 13-14, 1955. Records available: 1950-58.

Highest water level for the day, above msl, from recorder graph, 1950												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	+27.19	+25.61
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26.94	25.52
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	+27.34	27.15	25.36
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	29.46	26.08	25.36
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	28.55	26.29	25.38
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	27.62	25.89	25.28
1951												
5	+25.23	+26.12	+24.99	+24.64	+26.00	+25.40	+25.81	+25.72	+26.08	+28.92	+26.04	+25.60
10	25.15	25.65	24.91	25.85	25.54	25.18	26.16	27.42	26.00	28.49	25.79	25.46
15	25.09	25.44	24.91	25.84	25.29	25.46	25.67	26.34	25.72	.....	25.72	25.34
20	25.06	25.25	24.86	27.71	25.13	26.08	25.53	26.25	25.69	.....	26.06	25.33
25	25.03	25.14	24.79	27.29	25.10	26.22	25.86	25.86	25.53	.....	25.90	25.29
Eom	24.94	25.08	24.68	26.69	25.86	25.85	25.56	26.01	26.50	26.39	25.71	25.32
1952												
5	+25.19	+26.47	+25.76	+25.11	+24.84	+25.16	+26.14	+27.39	+25.54	+25.53	+27.12	+25.26
10	25.14	e25.87	25.44	24.96	24.72	24.97	27.46	27.14	25.31	26.29	26.38	25.17
15	25.12	e25.61	25.81	24.96	24.68	24.86	26.84	27.15	25.35	e25.94	26.01	25.10
20	25.04	e25.57	25.34	24.87	24.96	24.90	26.34	26.84	25.28	.....	25.93	25.05
25	26.03	e25.49	25.14	24.81	25.49	25.02	25.74	26.50	25.81	.....	25.61	25.04
Eom	e25.72	26.32	25.34	24.97	25.57	24.94	26.35	26.03	25.99	28.23	25.40	25.00
1953												
5	+24.99	+25.47	+24.84	+25.18	+24.85	+24.35	+24.67	+25.96	+27.76	+27.71	+26.06	+25.45
10	25.35	25.45	24.75	25.00	24.69	24.51	24.55	25.60	27.87	28.55	25.94	25.18
15	25.28	25.19	25.32	25.95	24.52	24.94	25.23	25.28	27.09	28.56	25.67	25.16
20	25.18	25.05	25.02	25.39	24.43	24.64	25.04	25.50	28.27	28.14	25.33	24.97
25	25.24	25.07	26.39	25.01	24.34	24.82	26.24	25.57	28.24	27.15	26.12	24.95
Eom	25.14	24.95	25.52	25.54	24.29	24.94	27.02	26.64	27.39	26.43	25.54	24.89
1954												
5	+24.82	+24.52	+24.72	+24.75	+24.84	+27.34	+25.79	+25.99	+25.64	+27.36	+25.21	+25.12
10	24.76	24.55	24.91	25.00	24.64	.....	27.26	26.61	25.29	27.79	25.03	24.95
15	24.74	24.54	24.74	24.82	24.62	.....	26.62	25.62	.....	28.00	26.84	24.97
20	24.68	24.50	24.62	24.66	24.59	28.28	26.45	.....	.....	26.59	26.45	25.17
25	24.61	24.66	24.57	25.76	24.50	27.83	26.57	.....	.....	25.91	25.74	24.95
Eom	24.56	24.84	24.49	25.09	25.14	24.56	26.72	.....	27.11	25.62	25.36	24.86
1955												
5	.....	.....	+24.45	+24.52	+24.16	+24.16	+24.49	+25.88	+25.61	+24.65	+24.40	+24.37
10	.....	.....	24.39	24.40	24.11	24.35	25.38	25.07	24.66	24.32	24.33	24.16
15	.....	+24.82	24.34	24.43	24.95	24.87	25.25	24.72	24.95	25.64	24.28	24.17
20	.....	.....	24.29	24.44	25.01	25.05	25.39	24.57	24.95	25.02	24.23	24.17
25	.....	.....	24.51	24.31	25.16	25.91	25.68	24.80	24.61	24.70	24.21	24.15
Eom	.....	e24.49	24.59	24.22	24.66	26.01	25.94	24.75	24.49	24.51	24.17	24.18
1956												
5	.....	.....	+24.45	+24.52	+24.16	+24.16	+24.49	+25.88	+25.61	+24.65	+24.40	+24.37
10	.....	.....	24.39	24.40	24.11	24.35	25.38	25.07	24.66	24.32	24.33	24.16
15	.....	+24.82	24.34	24.43	24.95	24.87	25.25	24.72	24.95	25.64	24.28	24.17
20	.....	.....	24.29	24.44	25.01	25.05	25.39	24.57	24.95	25.02	24.23	24.17
25	.....	.....	24.51	24.31	25.16	25.91	25.68	24.80	24.61	24.70	24.21	24.15
Eom	.....	.....	24.29	24.59	24.22	24.66	26.01	25.94	24.75	24.49	24.51	24.17
1957												
5	+24.18	+24.16	+24.36	+24.18	+26.10	+24.49	+25.23	+24.29	+25.64	+26.02	+27.24	+25.89
10	24.17	24.14	24.35	24.36	25.69	24.85	25.42	24.61	26.46	26.09	26.79	25.49
15	24.14	24.34	24.36	24.31	24.96	24.58	25.36	24.45	25.58	29.74	26.44	25.20
20	24.14	24.34	24.32	24.21	24.66	24.42	24.81	24.39	25.92	29.02	26.43	25.00
25	24.16	24.34	24.29	24.37	24.47	24.55	24.59	24.42	25.42	28.32	26.24	24.83
Eom	24.16	24.35	24.27	24.57	24.35	24.67	24.45	24.37	25.49	27.63	26.08	24.70
1958												
5	+24.65	+24.56	+25.10	+25.65	+24.89	+24.98	+25.52	+26.90	+27.28	+27.17	+24.88	+24.53
10	24.58	24.65	25.05	24.95	24.75	24.81	25.00	26.34	26.89	26.27	24.75	e24.43
15	24.52	24.49	24.75	25.52	25.58	24.70	26.07	25.66	26.71	26.29	24.72	24.38
20	24.50	24.66	24.70	25.07	25.32	24.56	25.25	26.32	27.39	25.58	24.68	24.39
25	24.83	24.95	25.30	24.77	24.88	24.46	25.29	27.86	26.72	25.34	24.60	25.40
Eom	24.65	24.45	24.99	24.78	25.51	e25.98	26.58	27.39	26.72	25.05	24.57	24.89

e Estimated.

Santa Rosa County

102. U.S. Geol. Survey. Gulf Breeze. $SE\frac{1}{4}$ sec. 4, T. 3 S., R. 29 W. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 41 ft, screened 31-41 (previously reported 33-41). Lsd 11.56 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 3.56 below lsd, Sept. 23, 1958; lowest 10.58 below lsd, Jan. 17, 1955. Records available: 1950-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	9.82	9.38	8.75	8.05	8.28	8.43	7.60	7.58	7.80	6.10	6.48	7.07
10	9.90	9.32	8.73	8.08	8.10	8.50	7.27	7.67	7.82	6.15	6.58	7.18
15	9.92	9.14	8.37	8.13	8.08	8.45	7.27	7.76	7.83	6.28	6.66	7.26
20	9.98	8.93	8.19	8.24	8.10	7.58	7.27	7.84	7.92	6.18	6.76	7.36
25	10.00	8.83	8.10	8.33	8.20	7.53	7.52	7.94	6.32	6.20	6.85	7.43
Eom	9.43	8.79	8.05	8.37	8.35	7.53	7.46	8.04	6.19	6.33	6.96	7.51

1957

5	7.61	8.14	8.54	7.65	7.75	8.23	8.54	8.89	9.07	5.80	6.42	6.55
10	7.70	8.23	8.60	7.48	7.83	8.25	8.60	8.92	8.07	5.84	6.54	6.78
15	7.78	8.30	8.64	7.45	7.90	8.30	8.66	8.97	7.65	6.03	6.62	6.85
20	7.88	8.38	8.70	7.44	7.97	8.36	8.72	9.02	6.70	6.12	6.73	6.91
25	7.96	8.45	8.51	7.50	8.04	8.41	8.77	9.07	6.43	6.19	6.50	7.00
Eom	8.06	8.47	8.40	7.65	8.14	8.47	8.84	9.05	5.86	6.31	6.51	7.09

1958

5	7.18	6.52	5.92	5.37	5.10	5.80	6.39	6.30	6.89	4.07	5.16	6.12
10	7.22	6.45	4.89	4.93	5.23	5.94	6.24	6.46	6.99	4.28	5.35	6.28
15	7.25	6.37	4.76	4.53	5.43	6.10	6.36	6.57	4.10	4.50	5.51	6.40
20	7.30	6.27	4.89	4.56	5.38	6.18	6.47	6.68	3.80	4.65	5.69	6.50
25	6.68	6.26	5.05	4.74	5.36	6.13	6.11	6.78	3.69	4.85	5.84	6.62
Eom	6.52	6.05	5.22	4.95	5.63	6.28	6.17	6.80	3.83	5.09	6.00	6.77

Sarasota County

9. Palmer Corp. $SW\frac{1}{4}SE\frac{1}{4}$ sec. 20, T. 36 S., R. 19 E. Drilled unused artesian well in Floridan aquifer, diam 6 in, reported depth 730 ft, cased to 101. Lsd 33.56 ft above msl. MP top of casing, 6.00 ft above lsd. Highest water level 5.20 above lsd, Mar. 7, 1931; lowest 8.41 below lsd, Mar. 23, 1956. Records available: 1930-37, 1941-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	4.25	5.02	e6.98	5.07	4.19	3.48	2.74	1.78	1.38	2.73	4.87
10	....	4.53	5.64	5.96	4.76	4.42	3.29	2.65	1.76	1.56	2.47	5.07
15	....	3.62	6.18	5.35	4.75	3.72	3.12	2.43	1.91	1.40	3.28	5.14
20	4.34	4.29	5.61	5.50	4.88	3.44	3.13	2.13	1.72	2.07	3.63	5.58
25	3.77	5.20	6.04	5.70	5.60	3.60	3.03	2.00	1.56	2.04	4.69	5.14
Eom	4.24	5.04	6.47	5.47	4.65	4.18	2.83	1.69	1.94	2.57	4.33	5.04

1957

5	5.85	4.59	2.90	2.40	1.98	1.98	....	1.14	0.83	0.53	3.63	2.41
10	5.90	4.00	2.76	2.30	1.80	1.77	....	.60	.70	.91	3.90	2.27
15	5.13	5.34	2.90	2.24	1.65	1.77	....	.69	1.12	1.47	3.26	....
20	5.69	4.34	3.06	2.20	1.63	....	1.73	.53	.80	2.17	2.78	....
25	4.29	3.63	....	2.22	1.73	....	1.64	.61	1.03	2.28	2.68	....
Eom	4.49	3.38	e2.72	2.10	1.98	....	1.40	.98	.67	3.57	2.67	....

1958

5	....	2.60	e1.79	0.98	1.60	3.81	....	....	....	....	2.04	2.44
10	2.46	2.29	1.70	.87	2.30	4.61	....	....	....	2.22	1.65	2.92
15	2.06	2.13	1.58	.75	2.29	4.03	....	....	....	2.87	2.07	e1.86
20	2.00	2.62	1.35	.89	2.20	5.21	....	e1.40	....	2.20	2.64	2.25
25	1.58	2.71	1.22	.98	2.22	4.60	....	....	....	2.49	3.20	3.10
Eom	1.57	2.02	1.10	1.04	3.22	3.65	....	....	....	2.11	2.87	1.92

e Estimated.

Taylor County

35. Buckeye Cellulose Corp. NW $\frac{1}{4}$ sec. 10, T. 5 S., R. 8 E. Drilled unused artesian well in Floridan aquifer, diam 17 to 12 in, depth 245 ft, cased to 189. MP top of 12-in casing, at lsd. Highest water level 0.69 above lsd, Apr. 2, 1948; lowest 28.8 below lsd, Mar. 4, 1957. Records available: 1946-58.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

35--Continued.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	24.60	24.65	24.05	24.40	25.55	18.25	24.35	24.50	24.15	25.80	24.40	25.15
10	24.05	25.30	24.60	24.35	23.90	13.60	24.30	24.10	23.45	24.60	24.20	25.70
15	24.90	24.80	23.25	24.70	22.95	22.85	24.55	24.55	25.15	24.40	24.90	25.85
20	25.25	24.95	25.55	24.60	23.50	24.05	24.70	24.95	25.15	23.20	25.45	26.10
25	25.25	23.20	23.45	24.80	24.25	23.80	24.30	24.80	24.80	23.80	25.65	16.70
Eom	25.60	22.25	24.25	24.60	23.90	23.25	23.70	24.35	25.30	24.10	25.60	25.85

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	26.2	27.2	28.7	28.2	27.7	26.1	....	18.6	21.3	15.0	18.1	18.5
10	25.6	27.2	28.0	27.9	27.3	22.6	....	19.4	19.8	15.4	18.5	18.1
15	26.6	27.9	28.4	28.1	26.8	19.1	....	19.9	18.9	16.0	18.3	18.3
20	27.1	28.1	28.5	28.1	26.5	19.8	21.3	20.1	18.1	....	19.0	18.4
25	27.4	28.1	28.6	28.4	26.3	19.4	15.2	20.8	18.2	17.0	19.2	17.5
Eom	27.2	28.2	28.4	28.1	26.0	19.9	17.2	21.0	17.5	17.6	19.0	18.2

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.6	19.5	19.9	18.6	17.0	18.2	5.7	18.9	19.7	18.1	22.2	22.2
10	18.7	19.2	18.8	17.8	17.9	18.2	5.4	17.4	20.2	12.6	20.0	22.6
15	18.9	19.6	18.3	15.3	18.1	19.0	5.1	19.0	20.6	21.6	20.8	22.5
20	18.9	20.0	18.2	14.7	17.8	19.3	15.7	19.9	20.7	21.2	22.7	23.1
25	18.9	20.0	17.7	15.9	18.8	7.4	17.2	19.8	21.1	21.1	23.4	12.4
Eom	19.2	20.0	18.5	17.0	17.90	6.2	18.1	9.2	22.1	22.4	23.7	22.3

36. Buckeye Cellulose Corp. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 5 S., R. 8 E. Drilled unused water-table well in sand of Pleistocene age, diam 6 in, depth 35 ft. MP top of casing, 2.30 ft above lsd. Highest water level 2.65 below lsd, Apr. 2, 1948; lowest 23.10 below lsd, Jan. 30, 1956. Records available: 1947-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	22.42	23.00	21.68	21.77	22.26	19.03	20.79	21.06	19.99	20.80	19.83	21.52
10	22.50	22.90	21.51	21.97	21.21	18.30	21.02	20.51	19.92	19.59	19.96	21.65
15	22.70	22.88	21.40	22.08	20.26	19.35	21.14	20.28	20.20	19.10	20.28	21.90
20	22.83	22.47	21.67	22.00	19.84	20.05	21.37	20.34	20.53	18.80	20.73	22.26
25	22.77	e21.97	21.67	21.86	19.91	20.43	21.30	22.22	20.61	18.90	21.10	22.17
Eom	22.45	21.55	21.73	22.15	20.06	20.58	21.43	20.06	20.84	19.53	21.30	22.29

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	22.63	23.60	24.08	24.55	23.54	20.12	14.60	14.77	17.02	10.62	12.52	13.59
10	22.82	23.83	24.00	23.87	22.20	....	14.93	15.12	16.07	10.47	13.00	13.44
15	23.13	23.93	24.23	23.80	e21.60	14.33	14.94	15.60	14.70	10.66	13.28	13.60
20	23.37	24.00	24.40	24.01	e21.04	14.10	15.42	15.91	13.72	11.17	13.64	13.62
25	23.51	24.06	24.49	24.13	20.63	13.90	14.38	16.30	13.60	11.53	13.91	13.10
Eom	23.64	24.07	24.42	24.00	20.20	14.30	14.11	16.74	13.19	12.10	14.19	13.50

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	14.00	15.05	15.71	14.36	12.16	13.94	12.09	14.17	12.84	12.00	12.13	12.40
10	14.20	15.10	15.15	12.87	12.60	14.20	11.73	14.32	12.60	11.92	12.03	12.51
15	14.41	15.09	14.47	11.33	13.04	14.70	11.21	14.48	12.42	11.92	12.06	12.64
20	14.60	15.43	14.22	11.40	12.40	15.17	12.30	15.04	12.30	11.98	12.11	12.71
25	14.68	15.60	14.05	11.59	11.66	14.00	12.95	13.90	12.18	12.00	12.23	12.60
Eom	14.84	15.56	14.16	11.80	13.34	12.80	13.71	13.18	12.16	12.05	12.40	12.70

e Estimated.

Volusia County

27. City of Daytona Beach. Orange Ave. and South Caroline St. Drilled unused artesian well in Floridan aquifer, diam 6 in, depth 219 ft. MP top of 6-in transite pipe, 8.45 ft above lsd. Highest water level 4.50 above lsd, Dec. 26, 1953; lowest 4.20 below lsd, July 28, 1955. Records available: 1948-58.

Lowest water level for the day, above and below lsd, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-0.70	+0.64	-1.39	....	....	-3.08	-1.36	....	....	....	....	-0.36
10	.60	-.11	.60	-3.19	....	2.10	1.63	....	....	....	+0.78	.47
15	-.37	+.48	1.48	1.33	....	3.19	1.64	....	-1.60	....	+.20	.50
20	+.18	+.05	1.60	2.82	-2.69	....	2.39	....	e.08	....	-.18	.46
25	.64	-.14	1.51	2.36	3.01	3.20	3.04	....	....	....	+.37	.34
Eom	.38	.93	....	1.67	2.63	.96	....	....	....	....	-.12	.40

e Estimated.

27--Continued.

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	-2.14	....	e+1.50	....	....	....	....	e+2.20	....	....	+1.50
10	-3.22	e3.20	....	....	+1.15	....	....	....	....	....	+2.00	1.64
15	1.36	e-3.20	....	....	1.56	....	....	....	....	....	2.05	1.77
20	1.03	....	....	....	....	-2.12	....	+1.21	....	....	1.89	1.25
25	.59	....	....	....	....	1.22	....	....	....	....	2.31	1.94
Eom	2.88	h+1.36	+1.33	....	....	....	....	....	....	....	2.47	2.17

1958

5	-2.16	-1.27	-2.51	....	-1.57	-0.08	+1.64	+1.20	+0.69	+1.78	+2.69	+2.40
10	1.00	1.65	2.89	....	2.00	-.58	-.05	1.33	.22	1.48	2.70	2.11
15	2.33	1.65	2.88	e-2.86	2.38	+.29	.36	.70	1.37	1.25	2.40	2.52
20	2.30	1.25	2.89	2.80	1.80	.19	.38	1.39	.98	2.26	2.04	2.28
25	2.58	2.23	2.86	2.27	2.20	1.48	-1.10	.20	1.18	2.30	2.30	2.30
Eom	2.19	1.67	3.05	1.90	.79	1.97	+.89	.39	.75	1.94	2.50	2.55

e Estimated.

h Tape measurement.

29. E. M. Bolin. Formerly A. L. McKay. Barberville. NE $\frac{1}{4}$ sec. 20, T. 15 S., R. 29 E. Drilled domestic artesian well in Floridan aquifer, diam 6 in, depth 107 ft. Lsd 40.5 ft above msl. MP top of casing, at lsd. Highest water level 9.47 below lsd, July 27, 1951; lowest 18.60 below lsd, Apr. 6, 1956. Records available: 1936-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1956	17.45	Sept. 14, 1956	17.53	June 17, 1957	17.18	Apr. 14, 1958	15.97
Feb. 3	17.39	Nov. 19	16.94	Aug. 13	16.75	May 27	16.27
27	17.44	Jan. 30, 1957	17.89	Nov. 7	16.37	July 16	16.65
Apr. 6	18.60	Mar. 4	17.79	Dec. 5	16.90	Aug. 27	16.64
May 22	18.54	Apr. 2	17.63	Jan. 13, 1958	16.57	Oct. 10	16.63
July 31	18.08	May 3	17.70	Mar. 11	15.99	Nov. 13	16.26

30. Herbert Cowart. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16, T. 14 S., R. 28 E. Drilled unused artesian well in Floridan aquifer, diam 4 in, reported depth 180 ft. Lsd 14.9 ft above msl. MP top of 4-in casing, 3.00 ft above lsd. Highest water level 12.3 above lsd, December 1941, Oct. 2, 1953; lowest 6.7 above lsd, May 1948. Records available: 1936-58.

Jan. 6, 1956	+8.9	Sept. 14, 1956	+9.07	June 17, 1957	+10.94	Apr. 14, 1958	+10.5
Feb. 3	9.2	Nov. 19	10.2	Aug. 13	10.21	May 27	10.2
16	8.3	Jan. 30, 1957	8.79	Nov. 7	9.94	July 16	10.0
27	9.6	Mar. 4	9.4	Dec. 5	9.55	Aug. 27	10.3
Apr. 6	7.89	Apr. 2	8.94	Jan. 13, 1958	9.7	Oct. 9	9.8
May 22	8.23	May 3	10.3	Mar. 11	10.6	Nov. 13	10.2
July 31	8.17						

31. Florida State Road Dept. Alamana. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 18 S., R. 32 E. Drilled unused artesian well in Floridan aquifer, diam 6 in, depth 113 ft. Lsd 35.9 ft above msl. MP top of casing, at lsd. Highest water level 3.80 below lsd, September 1945; lowest 8.07 below lsd, Aug. 8, 1950. Records available: 1936-58.

Highest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.30	4.98	5.74	6.77	7.33	....	6.77	7.30	7.21	6.45	5.13	5.95
10	5.34	5.05	5.91	6.77	7.27	....	6.20	7.03	6.45	6.10	5.22	6.03
15	5.53	5.22	6.05	6.78	7.29	....	6.26	7.02	6.20	5.57	5.41	6.12
20	5.60	5.32	6.20	6.98	7.57	....	6.50	6.86	6.05	4.94	5.54	6.25
25	5.05	5.49	6.40	7.16	7.69	....	6.76	6.80	6.19	4.82	5.67	6.30
Eom	4.97	5.60	6.58	7.23	....	7.38	7.07	7.03	6.43	5.00	5.79	6.47

1957

5	6.59	6.80	6.68	5.50	5.98	5.20	5.49	4.41	....	....	5.20	....
10	6.69	6.92	6.72	5.63	5.95	5.00	5.70	4.33	....	....	5.65	....
15	6.75	7.10	6.86	5.76	5.29	5.00	5.30	4.60	....	....	5.83	....
20	6.94	7.20	6.87	5.94	5.18	5.28	4.76	4.83	....	....	5.81	....
25	6.60	6.81	6.30	6.14	5.30	5.50	4.82	4.53	....	....	5.87	....
Eom	6.67	6.68	5.97	6.38	5.17	5.52	4.43	....	....	....	5.27	....

1958

5	5.32	4.90	e4.50	4.64	5.12	5.63	5.17	5.37	6.03	6.45	4.88	e5.15
10	5.06	4.93	4.40	4.75	5.00	5.78	5.20	e5.25	6.22	6.15	4.75	....
15	4.95	4.85	4.50	4.70	4.97	5.77	5.27	e5.31	6.17	6.23	4.93	....
20	5.10	5.01	4.55	4.87	5.12	5.56	5.20	e5.37	6.15	5.58	5.09	....
25	4.76	5.06	4.50	4.95	5.12	5.50	5.38	e5.48	6.31	5.38	5.16	....
Eom	4.67	4.73	4.50	5.10	5.40	5.42	5.46	5.82	6.50	5.25	5.27	....

e Estimated.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

32. Robert Nolan. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, T. 14 S., R. 28 E. Drilled unused artesian well in Floridan aquifer, diam 6 in, reported depth 138 ft. Lsd 23.2 ft above msl. MP top of casing, 1.08 ft above lsd. Highest water level 0.4 below lsd, September, October 1947; lowest 5.28 below lsd, Apr. 6, 1956. Records available: 1936-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1956	3.74	Sept. 14, 1956	3.70	June 17, 1957	2.98	Apr. 14, 1958	2.22
Feb. 3	3.53	Nov. 19	2.94	Aug. 13	2.51	May 27	2.66
16	3.49	Jan. 31, 1957	4.27	Nov. 7	2.89	July 16	2.88
27	3.58	Mar. 4	4.01	Dec. 5	3.21	Aug. 27	2.67
Apr. 6	5.28	Apr. 2	3.86	Jan. 13, 1958	2.81	Oct. 9	2.68
May 22	4.51	May 3	4.03	Mar. 11	2.16	Nov. 13	2.35
July 31	4.46						

Wakulla County

2. O. P. Shields. St. Marks. SW $\frac{1}{4}$ sec. 2, T. 4 S., R. 1 E. Drilled unused artesian well in Floridan aquifer, diam 4 in, reported depth 103 ft, cased to 22. MP top of casing, at lsd. Highest water level 1.26 above lsd, Aug. 31, 1950; lowest 4.28 below lsd, Oct. 15, 1951. Records available: 1937, 1946-58.

Highest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	2.60	1.61	1.80	1.86	1.95	1.96	0.86	1.02	...	...	1.77	...
10	3.02	1.52	2.05	1.16	1.39	1.66	1.06	1.64	e1.90	...	2.15	2.45
15	2.25	1.52	1.48	.67	...	1.82	2.08	...	1.61	...	1.57	1.64
20	2.22	1.53	2.28	2.17	...	1.97	1.49	...	e1.17	...	1.86	1.76
25	1.63	.70	2.19	1.55	...	1.87	1.52	...	...	1.27	2.00	2.15
Eom	1.92	2.49	1.90	1.78	2.32	1.52	1.66	...	...	1.44	1.51	1.90
1957												
5	1.97	2.15	1.58	0.62	1.77	...	...	...	...	0.83	1.67	1.86
10	2.15	2.12	2.17	1.96	1.54	...	...	...	...	1.01	2.17	1.91
15	1.86	1.98	1.63	2.00	1.70	...	...	...	...	1.07	.97	1.70
20	2.33	1.99	1.77	1.90	...	...	1.23	...	...	1.44	.92	.97
25	2.07	1.36	.86	2.01	...	0.88	1.20	...	1.03	.86	.56	1.70
Eom	2.05	1.30	1.40	1.42	...	...	.98	...	.56	1.61	1.05	1.80
1958												
5	2.51	1.99	1.42	0.83	1.25	1.34	1.10	1.57	1.33	1.90	1.19	1.57
10	1.80	1.79	1.17	.83	2.10	1.56	1.44	1.35	1.42	1.50	.78	1.96
15	1.37	1.16	2.08	.45	1.78	1.14	1.17	.67	1.08	1.68	1.02	2.30
20	1.62	2.26	1.77	1.16	.86	.85	1.25	1.10	1.40	1.80	1.89	2.08
25	1.65	1.61	1.05	1.61	1.29	1.08	1.62	1.33	1.64	1.54	1.62	1.99
Eom	1.04	1.17	.96	1.58	.90	1.17	1.36	1.46	1.51	1.30	2.41	1.73

e Estimated.

11. U. S. Dept. of Interior. Ochlocknee Bay. Sec. 33, T. 5 S., R. 2 W. Drilled domestic artesian well in Floridan aquifer, diam 4 in, reported depth 70 ft, cased to 45. MP top of casing, 1.00 ft above lsd. Highest water level 5.17 below lsd, Sept. 7, 1951; lowest 9.00 below lsd, Mar. 7, 1949. Records available: 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	8.42	Nov. 29, 1956	7.09	Aug. 14, 1957	8.00	May 14, 1958	7.88
Mar. 14	6.96	Jan. 17, 1957	7.95	Oct. 10	5.39	June 26	6.35
Apr. 25	7.25	Feb. 25	7.36	Nov. 22	6.68	Aug. 7	7.70
June 14	6.37	Apr. 9	7.92	Jan. 9, 1958	8.43	Sept. 25	7.61
July 26	8.05	May 29	7.15	Feb. 14	8.45	Nov. 6	7.94
Sept. 6	7.00	July 3	8.18	Mar. 26	8.25	Dec. 19	8.60
Oct. 24	7.79						

Walton County

13. O. H. Saltsman. Point Washington. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 2 S., R. 19 W. Drilled public-supply artesian well in Floridan aquifer, diam 8 in, reported depth 450 ft. Lsd 10.56 ft above msl. MP top of 8-in tee, 2.00 ft above lsd. Highest water level 20.8 above lsd, Sept. 3, 1947; lowest 8.9 above lsd, Sept. 6, 1956. Records available: 1936, 1946-58.

Feb. 1, 1956	+12.0	Nov. 29, 1956	+9.8	Aug. 14, 1957	+11.0	May 14, 1958	+12.8
Mar. 14	12.0	Jan. 17, 1957	9.5	Oct. 10	12.7	June 26	12.9
Apr. 25	12.7	Feb. 26	10.2	Nov. 22	12.8	Aug. 7	13.1
June 14	11.1	Apr. 9	12.0	Jan. 9, 1958	12.6	Sept. 25	13.0
July 25	9.9	May 29	11.5	Feb. 13	12.8	Nov. 6	12.7
Sept. 6	8.9	July 3	9.2	Mar. 26	13.6	Dec. 19	12.2
Oct. 9	10.0						

14. Walton County. Point Washington. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 2 S., R. 19 W. Drilled public-supply artesian well in Floridan aquifer, diam 6 in, reported depth 400 ft. Lsd 14.81 ft above msl. MP top of 2-in tee, 2.00 ft above lsd. Highest water level 15.9 above lsd, July 12, 1949; lowest 7.5 above lsd, June 14, 1956. Records available: 1936, 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1, 1956	+8.5	Nov. 29, 1956	+8.3	Aug. 14, 1957	+8.8	May 14, 1958	+9.3
Mar. 14	8.5	Jan. 17, 1957	8.2	Oct. 10	9.4	June 26	9.6
Apr. 25	9.0	Feb. 26	9.5	Nov. 22	9.2	Aug. 7	9.8
June 14	7.5	Apr. 9	9.0	Jan. 9, 1958	9.4	Sept. 25	8.9
July 25	8.0	May 29	8.6	Feb. 14	9.5	Nov. 6	9.0
Sept. 6	8.3	July 3	8.4	Mar. 26	9.9	Dec. 19	8.8
Oct. 9	8.5						

17. Citizens Oil Co. Freeport. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, T. 1 N., R. 19 W. Drilled industrial artesian well in Floridan aquifer, diam 8 in, reported depth 187 ft. Lsd 2.70 ft above msl. MP top of 8-in tee, 3.50 ft above lsd. Highest water level 35.0 above lsd, Sept. 3, 1947; lowest 19.1 above lsd, July 3, 1957. Records available: 1947-58.

Feb. 1, 1956	+26.0	Oct. 9, 1956	+24.3	Aug. 14, 1957	+24.9	May 14, 1958	+27.1
Mar. 14	26.3	Jan. 17, 1957	24.2	Oct. 10	26.2	June 26	27.3
Apr. 25	26.7	Feb. 26	24.7	Nov. 22	26.8	Aug. 7	24.9
June 14	26.3	Apr. 9	25.6	Jan. 9, 1958	26.3	Sept. 25	26.6
July 25	24.0	May 29	25.4	Feb. 14	26.8	Nov. 6	26.0
Sept. 6	24.1	July 3	19.1	Mar. 26	27.5	Dec. 19	26.0

Washington County

4. Town of Caryville. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 4 N., R. 16 W. Drilled public-supply artesian well in Floridan aquifer, diam 4 in, reported depth 785 ft. Lsd 58 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 0.00, Dec. 12, 1935; lowest 17.98 below lsd, Nov. 23, 1952. Records available: 1935, 1946-58.

Feb. 3, 1956	15.68	Nov. 27, 1956	13.67	Aug. 12, 1957	13.66	May 12, 1958	11.44
Mar. 12	12.34	Jan. 15, 1957	11.85	Oct. 8	12.24	June 24	12.66
Apr. 23	12.09	Feb. 28	12.69	Nov. 20	13.43	Aug. 5	11.78
July 23	15.59	Apr. 12	11.02	Jan. 7, 1958	13.51	Sept. 23	11.61
Sept. 4	14.95	May 27	11.60	Feb. 12	12.65	Nov. 4	13.77
Oct. 11	11.34	July 1	13.70	Mar. 28	10.32	Dec. 17	14.96

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GEORGIA

By H. E. Blanchard, Jr.

The observation-well program begun in 1938 was continued during 1956-58 in cooperation with the State Department of Mines, Mining and Geology. Figures 4, 5, and 6 show the location of observation wells included in this report.

Well-Numbering System

Wells are numbered serially within each county.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum unless otherwise indicated.

Appling County

3. Filtered Rosin Products Co. Near Baxley. Lat $31^{\circ}46'15''$, long $82^{\circ}19'54''$. Drilled industrial artesian well in Ocala limestone, diam 8 in, depth 625 ft, cased to 525. Lsd 204 ft above msl. MP top of hole in pump base, 1.20 ft above lsd. Highest water level 128.6 below lsd, Sept. 20, 1946; lowest 143.76 below lsd, Dec. 2, 1955. Records available: 1940-58. June 7, 1956, 137.08; Nov. 16, 137.62; Nov. 16, 138.82; June 10, 1957, 138.70; Nov. 6, 138.44; Mar. 28, 1958, 137.55; Oct. 15, 140.53.

Brantley County

9. U. S. Government. Lat $31^{\circ}14'51''$, long $81^{\circ}47'28''$. Drilled unused artesian well in Ocala limestone, diam 8 to 6 in, depth 225 ft, cased to 225 (previously reported depth 705 ft, cased to 585). Lsd 60 ft above msl. MP top of 8-in coupling on casing, 0.50 ft above lsd. Highest water level 1.04 below lsd, Dec. 8, 1947; lowest 14.47 below lsd, Apr. 30, 1956. Records available: 1941-43, 1945-58. For additional measurements, see Stewart (1958).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	13.16	May 31, 1956	14.07	Sept. 30, 1956	14.31	June 12, 1957	14.42
Feb. 29	13.11	June 30	14.35	Oct. 31	14.33	May 31, 1958	13.01
Mar. 31	13.41	July 30	14.04	Nov. 30	13.76	Oct. 31	13.98
Apr. 30	14.47	Aug. 31	14.31	Dec. 31	13.72		

Bryan County

87. International Paper Co. Richmond Hill. Lat $31^{\circ}56'44''$, long $81^{\circ}19'37''$. Drilled unused artesian well in Ocala limestone, diam 4 in, depth 580 ft, cased to 113. Lsd 23 ft above msl. MP top of 4-in cross, 2.56 ft above lsd. Highest water level 4.53 above lsd, Oct. 31, 1939; lowest 10.78 below lsd, Dec. 17, 1958. Records available: 1939-58.

Sept. 10, 1956	8.45	Mar. 4, 1957	8.55	Aug. 29, 1957	9.71	Aug. 20, 1958	10.46
Dec. 4	8.82	May 29	9.16	Nov. 15	9.53	Dec. 17	10.78

119. Henry Ford. Kilkenny. Lat $31^{\circ}47'20''$, long $81^{\circ}12'16''$. Drilled domestic artesian well in Ocala limestone, diam 3 in. Lsd 10 ft above msl. MP top of 2-in tee, 0.80 ft above lsd. Highest water level 10.74 above lsd, May 12, 1939; lowest 1.69 below lsd, Dec. 17, 1958. Records available: 1939-47, 1949-58. Sept. 11, 1956, +0.32; Dec. 4, +0.37; May 5, 1957, -0.16; Aug. 30, -1.34; Nov. 15, -1.54; Aug. 20, 1958, -1.52; Dec. 17, -1.69.

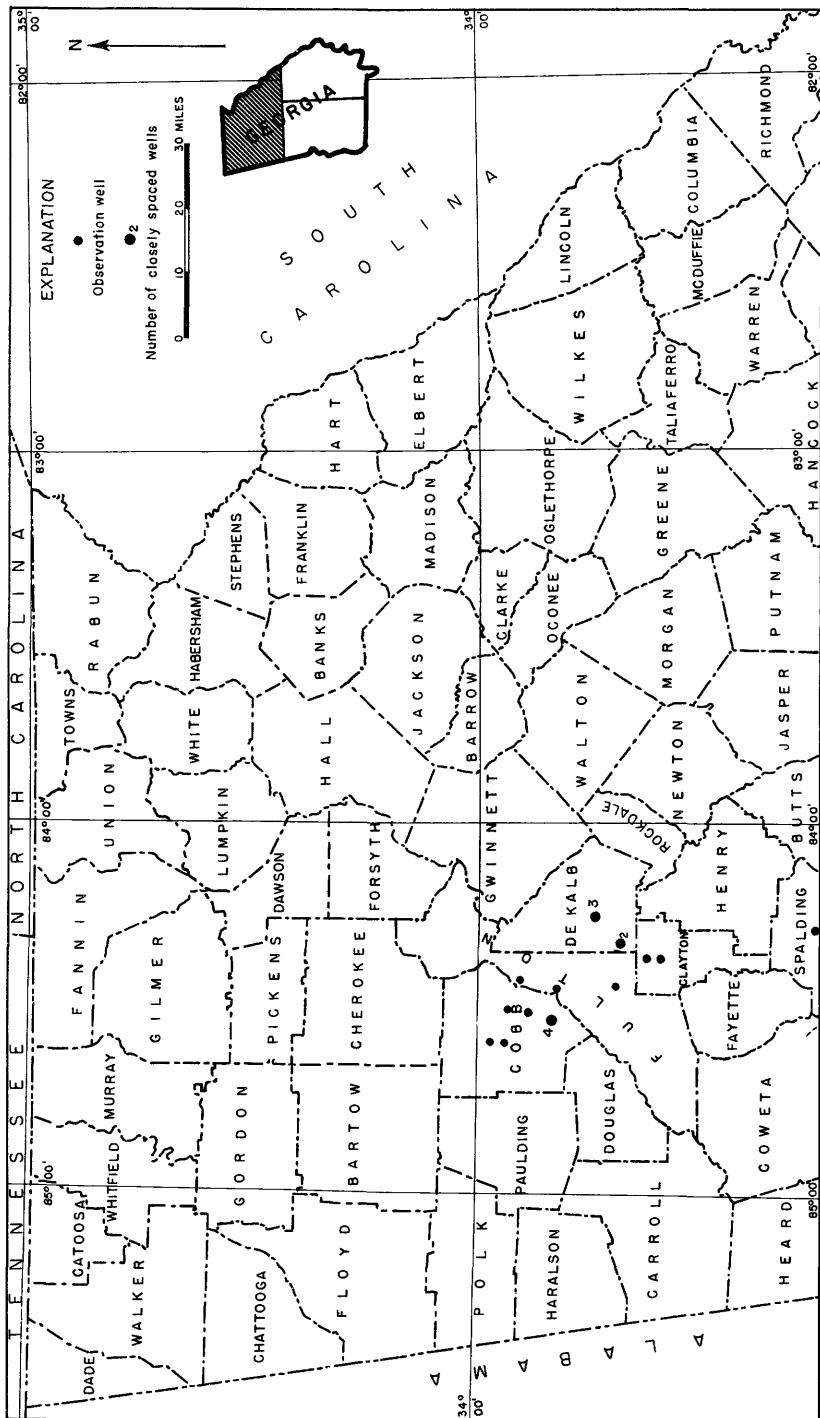


Figure 4.-Location of observation wells in northern Georgia, 1956-58.

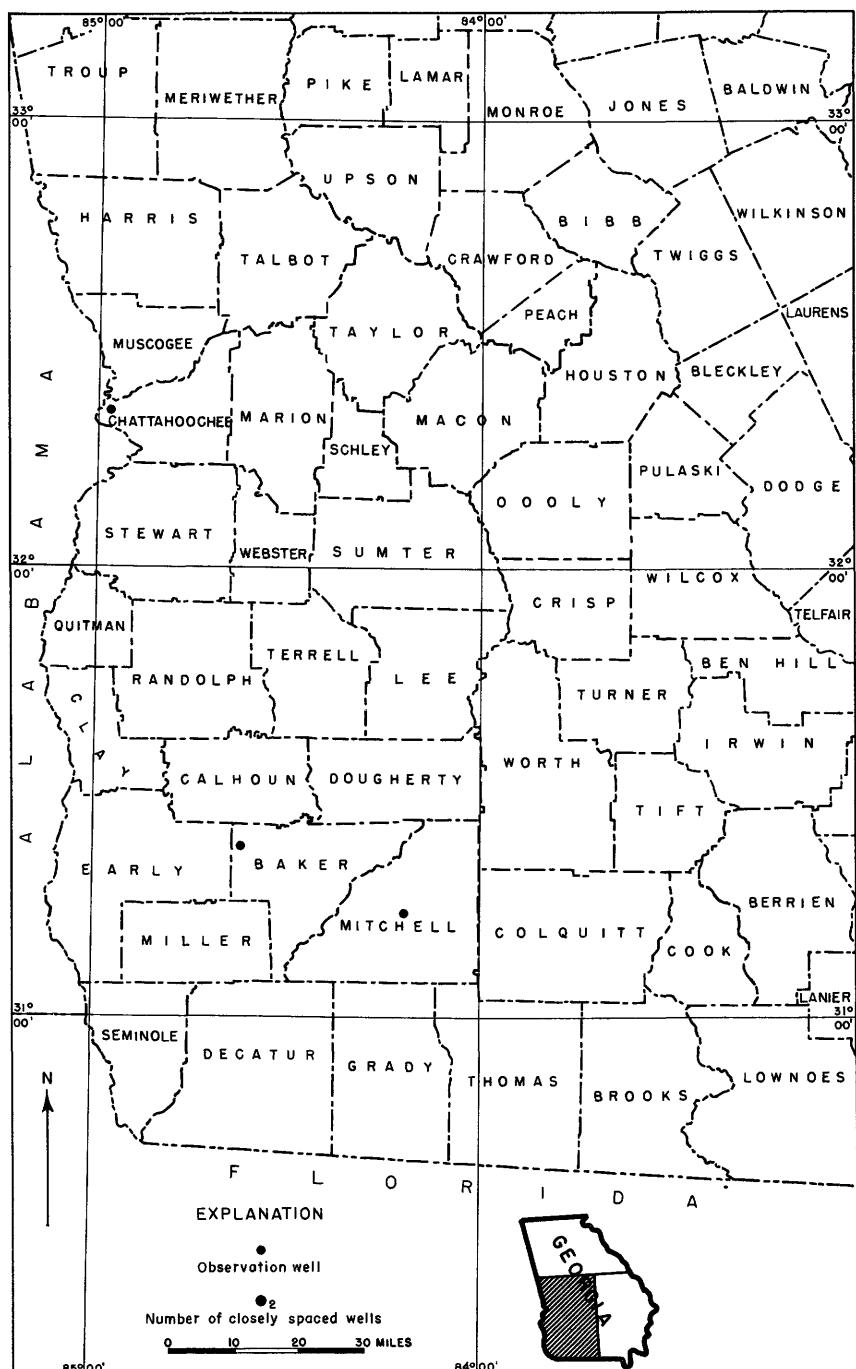
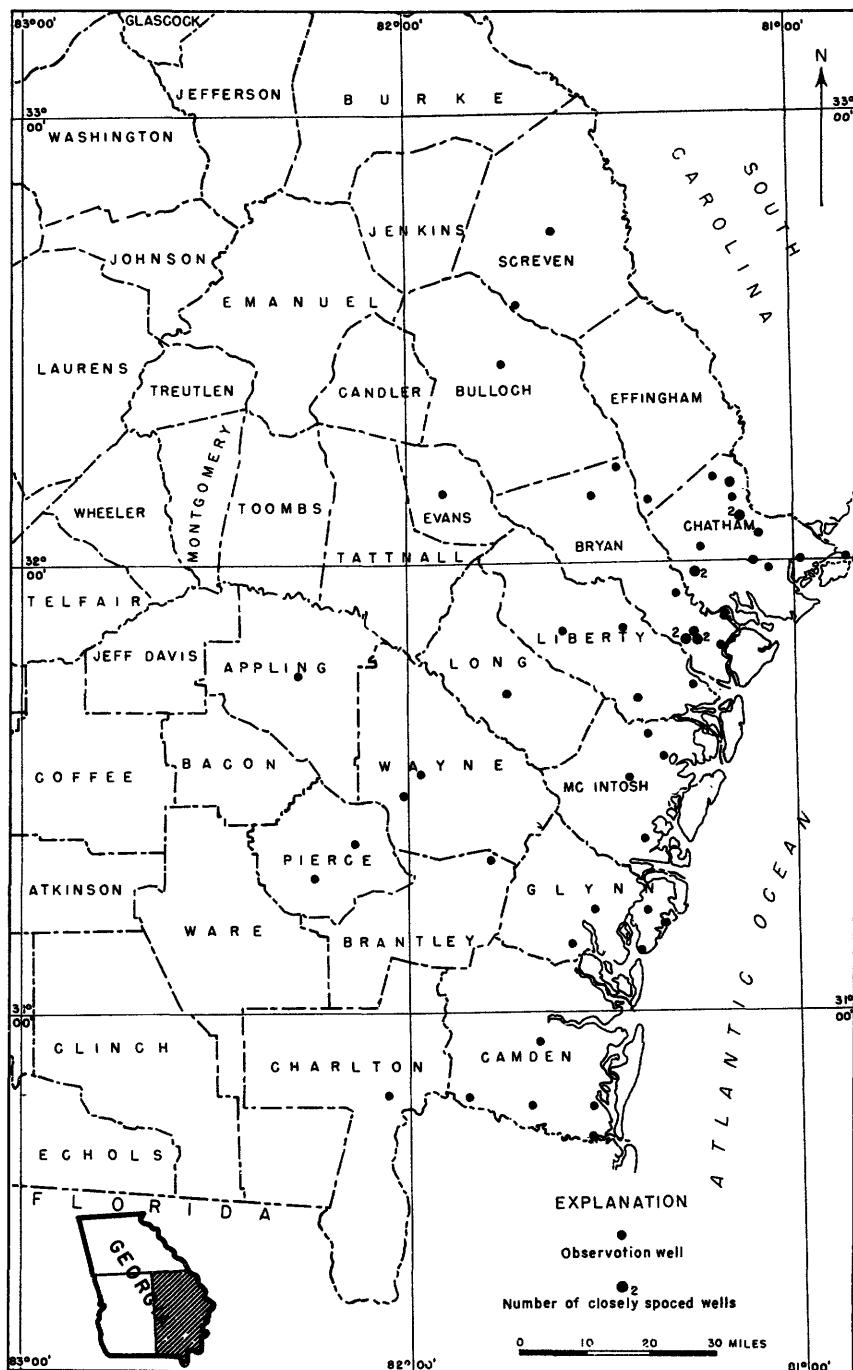


Figure 5.--Location of observation wells in southwestern Georgia, 1956-58.



144. U. Butler. Eldora. Lat $32^{\circ}13'54''$, long $81^{\circ}12'47''$. Drilled domestic artesian well in Ocala limestone, diam 3 in, depth about 400 ft, cased to 80. Lsd 65.7 ft above msl. MP top of casing, 1.70 ft above lsd. Highest water level 19.85 below lsd, Nov. 29, 1948; lowest 33.56 below lsd, Mar. 22, 1957. Records available: 1942-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1956	24.04	Sept. 17, 1956	26.91	June 5, 1957	27.20	July 23, 1958	27.35
Feb. 24	26.95	Oct. 22	27.39	July 23	27.21	Aug. 26	27.50
Mar. 20	26.95	Jan. 28, 1957	27.71	Sept. 25	27.43	Sept. 25	27.90
Apr. 25	27.17	Mar. 1	29.14	Nov. 4	27.30	Oct. 24	27.83
June 27	26.39	22	33.56	Dec. 6	27.31	Dec. 23	28.39
Aug. 14	26.82	Apr. 24	27.70	May 21, 1958	27.57		

146. Mill Creek School. Lat $32^{\circ}09'04''$, long $81^{\circ}30'33''$. Drilled domestic artesian well in Ocala limestone, diam 6 in, depth 423 ft, cased to 318. Lsd 66.50 ft above msl. MP top of 4-in coupling, 1.50 ft above lsd. Highest water level 19.53 below lsd, Mar. 6, 1941; lowest 32.35 below lsd, Dec. 23, 1958. Records available: 1941-58.

Jan. 19, 1956	29.17	Sept. 14, 1956	30.33	June 5, 1957	30.50	June 24, 1958	32.00
Feb. 24	29.20	Oct. 22	30.16	July 23	30.87	July 23	31.50
Mar. 20	29.34	Nov. 27	30.48	Sept. 10	31.94	Aug. 26	31.70
Apr. 25	29.63	Jan. 28, 1957	30.62	Nov. 4	31.23	Sept. 25	31.50
June 27	30.83	Mar. 1	31.17	Dec. 6	31.29	Oct. 24	30.99
Aug. 14	30.30	22	30.57	May 21, 1958	31.88	Dec. 23	32.35

148. International Paper Co. Keller. Lat $31^{\circ}50'35''$, long $81^{\circ}15'14''$. Drilled unused artesian well in Ocala limestone, diam 4 in, depth 440 ft, cased to 152. Lsd 17 ft above msl. MP top of 4-in tee, 1.00 ft above lsd. Highest water level 7.40 above lsd, Mar. 25, 1941; lowest 5.39 below lsd, Dec. 17, 1958. Records available: 1940-58.

Sept. 11, 1956	3.12	Mar. 5, 1957	4.06	Aug. 30, 1957	3.51	Aug. 20, 1958	5.15
Dec. 4	3.52	May 29	3.74	Nov. 15	4.43	Dec. 17	5.39

149. International Paper Co. Lat $31^{\circ}51'40''$, long $81^{\circ}16'57''$. Drilled unused artesian well in Ocala limestone, diam 4 in, depth 500 ft, cased to 160. Lsd 10 ft above msl. MP top of 4-in tee, 0.63 ft above lsd. Highest water level 5.65 above lsd, Dec. 17, 1940; lowest 7.40 below lsd, Dec. 17, 1958. Records available: 1940-47, 1949-58.

Sept. 12, 1956	5.17	Mar. 4, 1957	6.16	Aug. 29, 1957	6.28	Aug. 20, 1958	7.02
Dec. 4	5.39	May 29	5.46	Nov. 15	6.25	Dec. 17	7.40

150. Mrs. E. M. Berry. Richmond Hill. Lat $31^{\circ}57'32''$, long $81^{\circ}19'37''$. Drilled domestic artesian well in Ocala limestone, diam 4 to 3 in, depth 480 ft, cased to about 400. Lsd 15 ft above msl. MP top of 4-in tee, 0.90 ft above lsd. Highest water level 12.57 above lsd, Dec. 17, 1940; lowest 1.75 below lsd, Dec. 17, 1958. Records available: 1940-58.

Sept. 10, 1956	+0.29	Mar. 4, 1957	-0.12	Aug. 22, 1957	-0.58	Aug. 20, 1958	-1.33
Dec. 4	+.37	May 29	-.04	Nov. 15	-.64	Dec. 17	-1.75

151. International Paper Co. Formerly Henry Ford. Lat $31^{\circ}50'19''$, long $81^{\circ}16'18''$. Drilled domestic artesian well in Ocala limestone, diam 4 in, depth 500 ft, cased to 160. Lsd 18 ft above msl. MP bottom edge of overflow pipe, 3.59 ft above lsd. Highest water level 8.3 above lsd, Mar. 25, 1941; lowest 4.56 below lsd, Dec. 17, 1958. Records available: 1941-58.

Sept. 11, 1956	2.37	Mar. 5, 1957	2.87	Aug. 29, 1957	3.76	Aug. 20, 1958	4.11
Dec. 4	2.81	May 29	2.97	Nov. 15	3.54	Dec. 17	4.56

162. International Paper Co. Lat $31^{\circ}53'$, long $81^{\circ}11'$. Drilled unused artesian well in Ocala limestone, diam 4 in, depth 780 ft, cased to 152. Lsd 15 ft above msl. MP top of 4-in pipe, 3.00 ft above lsd. Highest water level 0.67 above lsd, June 23, 1943; lowest 13.55 below lsd, Dec. 17, 1958. Records available: 1943, 1954-58.

Jan. 23, 1943	+0.67	Aug. 17, 1955	-6.67	Dec. 4, 1956	-11.99	Nov. 15, 1957	-12.51
Dec. 15, 1954	-5.74	Oct. 19	7.93	Mar. 4, 1957	12.43	Aug. 20, 1958	13.30
Mar. 1, 1955	5.74	Dec. 27	8.39	May 29	12.20	Dec. 17	13.55
May 15	7.28	Sept. 12, 1956	11.60	Aug. 22	12.35		

171. Deal & Purvis. Belfast. Lat $31^{\circ}49'18''$, long $81^{\circ}17'22''$. Drilled domestic artesian well in Ocala limestone, diam 3 in, depth 600 ft, cased to 120. Lsd 17 ft above msl. MP top of 3-in cross, 0.70 ft above lsd. Highest water level 8.03 above lsd, Mar. 5, 1947; lowest 3.10 below lsd, Dec. 17, 1958. Records available: 1942-58.

Sept. 11, 1956	0.96	Mar. 4, 1957	2.59	Aug. 29, 1957	2.24	Aug. 20, 1958	2.43
Dec. 4	1.46	May 29	1.70	Nov. 15	2.68	Dec. 17	3.10

Bulloch County

71. Wingate Faceville. Lat $32^{\circ}27'20''$, long $81^{\circ}45'48''$. Drilled unused artesian well in Ocala limestone, diam 8 in, depth 390 ft. Lsd 187 ft above msl. MP top of 1-in reducer, 4.60 ft above lsd. Highest water level 67.7 below lsd, Feb. 1, 1949; lowest 74.4 below lsd, Feb. 28, 1957. Records available: 1948-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	72.3	Nov. 5, 1956	72.3	Aug. 1, 1957	71.3	May 30, 1958	71.3
Feb. 28	72.3	29	72.3	31	72.3	June 30	71.2
Mar. 31	72.3	Dec. 31	72.3	Sept. 30	72.1	July 31	72.3
Apr. 30	71.3	Jan. 31, 1957	71.5	Oct. 31	72.3	Aug. 30	72.3
May 31	71.9	Feb. 28	74.4	Nov. 30	72.3	Sept. 30	72.3
June 30	72.0	Mar. 30	71.2	Dec. 31	72.3	Oct. 31	71.3
July 31	71.8	Apr. 30	72.0	Jan. 31, 1958	72.3	Nov. 29	72.3
Aug. 31	72.3	May 31	71.2	Mar. 31	71.2	Dec. 31	71.2
Sept. 29	71.0	June 29	73.0	Apr. 30	72.3		

Camden County

8. M. L. Hill. Kingsland. Lat $30^{\circ}47'51''$, long $81^{\circ}41'08''$. Drilled domestic artesian well in Calca limestone, diam 2 in, depth 486 ft, cased to 300. Lsd 36.5 ft above msl. MP top of 2- by 1-in bushing in 2-in tee, 1.00 ft above lsd. Highest water level 26.0 above lsd, June 23, 1939; lowest 8.6 above lsd, June 20, 1957. Records available: 1938-58.

June 6, 1956	+10.05	May 29, 1957	+10.7	Nov. 6, 1957	+11.17	May 28, 1958	+13.70
Nov. 15	12.2	June 20	8.6	Mar. 13, 1958	12.97	Oct. 15	11.00

12. J. J. Godley. Kingsland. Lat $30^{\circ}48'00''$, long $81^{\circ}41'26''$. Drilled domestic artesian well in Ocala limestone, diam 3 in. Lsd 35.4 ft above msl. MP top of 3-in cross, 1.50 ft above lsd. Highest water level 25.48 above lsd, Dec. 7, 1947; lowest 10.0 above lsd, May 29, 1957. Records available: 1938, 1940-58. For additional measurements, see Stewart (1958). June 6, 1956, +12.72; May 29, 1957, +10.0; June 20, +11.8; Nov. 6, +12.91; Mar. 13, 1958, +14.45; May 28, +15.10; Oct. 15, +12.30.

59. Mrs. Jessie Riley. Formerly Zack Colson. Lat $30^{\circ}56'34''$, long $81^{\circ}40'17''$. Drilled domestic artesian well in Ocala limestone, diam 4 in, depth about 400 ft. Lsd 24 ft above msl. MP top of 4-in cross, 2.00 ft above lsd. Highest water level 32.7 above lsd, June 22, 1939; lowest 19.80 above lsd, June 19, 1957. Records available: 1939-46, 1949-58. For additional measurements, see Stewart (1958).

June 6, 1956	+19.82	May 29, 1957	+19.90	Nov. 6, 1957	+19.89	May 28, 1958	+21.8
Nov. 15	21.6	June 19	19.80	Feb. 5, 1958	20.95	Oct. 15	19.95

68. Kings Bay Club. Lat $30^{\circ}47'53''$, long $81^{\circ}31'03''$. Drilled domestic artesian well in Ocala limestone, diam 3 in, depth 525 ft, cased to 320. Lsd 11 ft above msl. MP top of 3-in cross, 5.50 ft above lsd. Highest water level 49.27 above lsd, June 23, 1939; lowest 26.10 above lsd, June 20, 1957. Records available: 1939-47, 1949-58. For additional measurements, see Stewart (1958).

June 6, 1956	+28.66	May 29, 1957	+28.4	Nov. 6, 1957	+26.15	May 28, 1958	+31.71
Nov. 15	29.8	June 20	26.10	Mar. 12, 1958	34.44	Oct. 15	29.70

118. Oscar Silcox. Lat $30^{\circ}47'46''$, long $81^{\circ}49'19''$. Drilled domestic artesian well in Ocala limestone, diam 3 in, depth about 600 ft. Lsd 20 ft above msl. MP top of 3-in cross, at lsd. Highest water level 40.87 above lsd, Dec. 7, 1947; lowest 28.23 above lsd, June 6, 1956. Records available: 1939, 1941-58. For additional measurements, see Stewart (1958). June 6, 1956, +28.23; Nov. 15, +28.80; May 29, 1957, +28.50; Mar. 11, 1958, +30.18; May 28, +31.52; Oct. 15, +30.30.

161. Edward Floyd. St. Marys. Lat $30^{\circ}43'44''$, long $81^{\circ}32'44''$. Drilled domestic artesian well in Ocala limestone, diam 2 in, depth 600 ft, cased to 400. Lsd 10 ft above msl. MP top of 2-in tee, 1.10 ft above lsd. Highest water level 19.10 above lsd, July 17, 1952; lowest 2.50 below lsd, Dec. 1, 1955. Records available: 1952-55, 1957-58. May 29, 1957, +1.6; June 20, +1.1; Nov. 6, +1.21; Mar. 12, 1958, +2.1; May 28, +3.9; Oct. 15, +4.7.

Charlton County

7. State of Georgia. Lat $30^{\circ}48'51''$, long $82^{\circ}00'51''$. Drilled domestic artesian well in Ocala limestone, diam 4 to 3 in, depth 554 ft, cased to 517. Lsd 74.95 ft above msl. MP top of 4-in casing, 1.00 ft above lsd. Highest water level 12.04 below lsd, Mar. 12, 1942; lowest 24.83 below lsd, May 29, 1957. Records available: 1941-43, 1945-58. For additional measurements, see Stewart (1958). June 6, 1956, 24.67; Nov. 16, 24.23; May 29, 1957, 24.83; Nov. 6, 23.19; Mar. 4, 1958, 22.95.

Chatham County

28. Reliance Fertilizer Co. Lat $32^{\circ}05'02''$, long $81^{\circ}07'53''$. Drilled industrial artesian well in Ocala limestone, diam 8 in, depth 480 ft, cased to 160. Lsd 16.37 ft above msl. MP hole in pump base, 1.50 ft above lsd. Highest water level 33.25 below lsd, Oct. 11, 1939; lowest 105.21 below lsd, June 25, 1958. Records available: 1932, 1937-42, 1952-58. For additional measurements, see Stewart (1958).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1956	89.27	Nov. 28, 1956	95.87	Aug. 16, 1957	101.62	June 25, 1958	105.21
Feb. 24	88.26	Feb. 20, 1957	95.53	Sept. 11	102.00	July 22	101.80
Mar. 23	90.08	Mar. 21	96.31	Oct. 29	103.40	Aug. 21	102.28
Apr. 26	91.50	Apr. 22	91.47	Dec. 17	104.13	Sept. 22	103.12
Aug. 13	95.56	June 6	98.04	Feb. 18, 1958	103.53	Oct. 22	102.20
Sept. 9	94.48	July 15	99.41	Apr. 22	92.39	Dec. 15	102.10
Oct. 23	93.93						

30. Dixie Asphalt Corp. Lat $32^{\circ}06'53''$, long $81^{\circ}07'58''$. Drilled industrial artesian well in Ocala limestone, diam 12 in, depth 608 ft, cased to 234. Lsd 11.33 ft above msl. MP hole in pump base, 0.20 ft above lsd. Highest water level 24.81 below lsd, Oct. 11, 1939; lowest 102.83 below lsd, Oct. 22, 1958. Records available: 1938-58.

Jan. 18, 1956	76.35	Jan. 15, 1957	91.83	Sept. 11, 1957	97.99	June 25, 1958	88.96
Feb. 22	79.44	Feb. 15	93.33	Oct. 15	97.88	July 22	100.68
Aug. 15	93.20	Apr. 14	89.86	Dec. 17	96.79	Aug. 21	96.63
Sept. 13	91.95	May 12	93.80	Feb. 11, 1958	96.88	Sept. 22	95.88
Oct. 10	95.96	June 12	94.79	Mar. 31	98.89	Oct. 22	102.83
Nov. 14	95.61	July 18	94.51	Apr. 22	93.69	Dec. 15	83.27
Dec. 13	93.36						

63. Colonial Ice Co. McGuire and Indian Sts., Savannah. Lat $32^{\circ}05'07''$, long $81^{\circ}05'49''$. Drilled unused artesian well in Ocala limestone, diam 12 in, depth 525 ft, cased to 120. Lsd 19.30 ft above msl. MP top of casing, 0.70 ft above lsd. Highest water level 46.52 below lsd, Oct. 18, 1939; lowest 100.88 below lsd, Aug. 25, 1958. Records available: 1939-58.

Jan. 13, 1956	90.45	Nov. 28, 1956	96.93	Nov. 20, 1957	95.44	June 25, 1958	100.15
Mar. 23	92.28	Jan. 22, 1957	94.76	Dec. 23	94.40	July 21	98.55
Apr. 27	93.22	Feb. 25	93.89	Jan. 22, 1958	88.34	Aug. 25	100.88
June 4	100.63	Mar. 20	92.73	Feb. 24	92.70	Sept. 22	100.20
Aug. 13	98.05	Apr. 25	92.62	Mar. 11	82.90	Oct. 22	98.72
Sept. 19	100.51	May 21	98.65	Apr. 24	83.20	Nov. 24	96.88
Oct. 25	98.70	Oct. 20	97.33	May 12	93.10	Dec. 25	90.65

76. Pierpont Manufacturing Co. Lathrop Ave., Savannah. Lat $32^{\circ}05'50''$, long $81^{\circ}07'00''$. Drilled industrial artesian well in Ocala limestone, diam 3 in, depth 378 ft, cased to about 150. Lsd 12.1 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 53.26 below lsd, May 8, 1939; lowest 124.81 below lsd, June 22, 1958. Records available: 1939-58.

Jan. 18, 1956	112.68	Nov. 14, 1956	117.28	July 18, 1957	119.79	Apr. 22, 1958	108.90
Feb. 24	109.40	Dec. 13	117.58	Aug. 16	120.63	June 22	124.81
Mar. 23	110.92	Jan. 15, 1957	117.49	Sept. 11	122.77	July 22	121.48
Apr. 26	111.58	Feb. 15	117.37	Oct. 15	123.91	Aug. 21	123.72
June 18	115.65	Apr. 14	116.09	Dec. 11	123.91	Sept. 22	121.72
Aug. 13	115.73	May 12	118.16	Feb. 11, 1958	123.13	Oct. 22	122.27
Oct. 15	116.13	June 12	118.99	Mar. 31	122.27	Dec. 15	121.92

81. Gordon Saussy. Lat $32^{\circ}08'24''$, long $81^{\circ}08'42''$. Drilled unused artesian well in Ocala limestone, diam 6 in, depth 522 ft, cased to 60. Lsd 15.1 ft above msl. MP top of casing, at lsd. Highest water level 36.12 below lsd, Mar. 19, 1942; lowest 75.38 below lsd, Aug. 21, 1958. Records available: 1940-58.

Jan. 16, 1956	63.37	Nov. 14, 1956	69.23	June 12, 1957	68.79	Apr. 22, 1958	71.33
Mar. 15	66.04	Dec. 13	74.55	July 18	68.64	June 24	72.53
Apr. 24	66.95	Jan. 15, 1957	68.28	Sept. 11	71.89	July 22	72.86
June 18	68.72	Feb. 17	67.86	Oct. 15	72.71	Aug. 21	75.38
Aug. 15	69.31	Mar. 14	68.54	Dec. 17	72.03	Sept. 22	72.68
Sept. 13	68.02	Apr. 14	68.58	Feb. 11, 1958	71.63	Oct. 22	74.80
Oct. 15	69.31	May 12	68.67	Mar. 31	72.24	Dec. 15	74.09

84. Standard Oil Co. Lat $32^{\circ}04'37''$, long $81^{\circ}02'31''$. Drilled industrial artesian well in Ocala limestone, diam 10 in, depth 652 ft, cased to 230. Lsd 5.5 ft above msl. MP hole in pump base, 0.50 ft above lsd. Highest water level 20.75 below lsd, Jan. 4, 1941; lowest 58.29 below lsd, Aug. 21, 1958. Records available: 1940-58.

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Date	Water level						
Jan. 20, 1956	47.46	Oct. 17, 1956	52.73	July 15, 1957	53.11	June 25, 1958	55.68
Feb. 17	48.13	Dec. 30	52.93	Aug. 16	54.19	July 22	56.22
Mar. 23	49.14	Jan. 22, 1957	51.25	Sept. 11	54.69	Aug. 21	58.29
Apr. 27	50.60	Feb. 20	53.41	Oct. 29	55.40	Sept. 22	58.15
June 5	57.85	Mar. 21	53.52	Dec. 17	55.38	Oct. 22	57.11
Aug. 13	52.33	Apr. 22	53.41	Feb. 19, 1958	55.27	Dec. 15	57.25
Sept. 18	52.38	June 6	52.65	Apr. 22	54.58		

123. Henry Walthour Estate, Wilmington Island. Lat 32°00'34", long 80°51'11". Drilled unused artesian well in Ocala limestone, diam 3 in, depth 235 ft, cased to 100. Lsd 4.7 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 4.06 below lsd, Oct. 12, 1939; lowest 24.34 below lsd, Oct. 10, 1958. Records available: 1938-58.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.82	13.84	.....	.....	15.39	.....	.....	16.21	16.98	16.46	.....	.....
10	13.26	13.57	.....	.....	16.06	.....	16.74	16.86	.....	15.54	.....	.....
15	13.46	13.81	.....	14.89	.....	16.73	.....	17.22	17.08	16.41	16.38	.....
20	13.85	13.78	.....	15.03	.....	16.43	17.01	17.36	16.72	16.37	16.16	.....
25	13.42	13.62	.....	15.88	.....	16.92	17.15	17.28	16.24	16.08	16.15	.....
Eom	14.06	.....	.....	15.52	.....	17.01	16.74	17.20	16.32	15.90	16.34	.....
1957												
5	21.27	.....	20.16	20.93	21.07	22.14	.....	22.56	23.28	22.20	.....	.....
10	21.35	.....	20.62	21.06	21.50	21.89	22.72	22.76	23.16	22.21	.....	.....
15	.....	20.34	20.59	20.94	21.56	22.26	22.69	22.80	22.98	22.20	.....	.....
20	.....	20.32	.....	21.29	21.87	.....	22.65	22.68	.....	.....	.....	.....
25	.....	20.38	20.61	21.57	22.14	.....	22.41	22.46	22.62	.....	.....	.....
Eom	.....	20.33	20.83	21.56	22.01	.....	22.51	23.05	22.43	.....	21.58	.....
1958												
5	21.32	.....	.....	20.69	.....	21.62	22.92	23.80	24.30	24.34	23.68	23.80
10	.....	.....	.....	20.69	.....	21.62	22.92	23.80	24.30	24.34	23.80	23.60
15	.....	.....	22.58	.....	.....	.....	23.56	24.04	23.68	24.22	23.60	.....
20	.....	.....	.....	.....	.....	.....	23.56	24.04	23.68	24.22	23.60	.....
25	.....	.....	.....	.....	.....	23.82	23.79	24.06	24.20	24.04	24.20	24.04
Eom	.....	.....	.....	.....	.....	23.82	23.79	24.06	24.20	24.10	24.20	24.04

131. C. E. Oliver. Lat 32°11'19", long 81°11'33". Drilled domestic artesian well in Ocala limestone, diam 3 in, depth about 300 ft, cased to 40. Lsd 12.8 ft above msl. MP top of 3-in cross, 1.50 ft above lsd. Highest water level 1.28 below lsd, Oct. 26, 1939; lowest 27.18 below lsd, Dec. 23, 1958. Records available: 1938-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1956	21.07	Oct. 24, 1956	23.85	June 5, 1957	24.08	June 24, 1958	24.79
Mar. 20	21.60	Nov. 27	23.86	July 23	24.40	July 23	24.72
Apr. 25	22.24	Jan. 28, 1957	24.33	Sept. 9	24.43	Aug. 26	26.15
June 27	23.30	Mar. 1	23.34	Nov. 4	24.59	Sept. 25	26.49
Aug. 14	23.47	22	23.83	Dec. 6	24.89	Oct. 24	26.60
Sept. 17	23.45	Apr. 24	23.40	May 21, 1958	25.00	Dec. 23	27.18

194. Mrs. W. W. Keller, Sr., Drakies Point. Lat 32°10'34", long 81°07'20". Drilled domestic artesian well in Ocala limestone, diam 4 in, depth 350 ft, cased to 60. Lsd 12.3 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 9.91 below lsd, Oct. 18, 1939; lowest 43.46 below lsd, Dec. 23, 1958. Records available: 1938-58. For additional measurements, see Stewart (1958).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1956	23.74	Oct. 24, 1956	38.30	June 5, 1957	39.50	June 24, 1958	41.48
Mar. 20	35.74	Nov. 27	38.25	July 23	39.39	July 23	40.45
Apr. 25	36.16	Jan. 28, 1957	37.97	Sept. 9	39.50	Aug. 26	42.52
June 27	38.13	Mar. 1	38.62	Nov. 4	39.53	Sept. 25	42.60
Aug. 14	37.94	22	37.67	Dec. 6	39.58	Oct. 24	42.76
Sept. 11	37.91	Apr. 24	37.63	May 21, 1958	39.69	Dec. 23	43.46

213. J. L. Budreau. Burroughs Rd. and U. S. Highway 17. Lat 31°59'38", long 81°15'14". Drilled domestic artesian well in Ocala limestone, diam 3 in, depth 420 ft, cased to 120. Lsd 15.5 ft above msl. MP top of 3-in cross, 0.95 ft above lsd. Highest water level 2.46 above lsd, Nov. 27, 1940; lowest 14.83 below lsd, Dec. 22, 1958. Records available: 1939-58.

213--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1956	9.71	Nov. 19, 1956	11.93	May 21, 1957	12.46	Dec. 19, 1957	13.95
Apr. 9	10.67	Dec. 18	12.48	June 6	12.43	July 25, 1958	13.73
June 15	10.56	Jan. 18, 1957	11.94	July 24	12.84	Aug. 27	14.51
July 26	11.51	Feb. 19	11.39	Sept. 17	13.64	Sept. 26	14.50
Sept. 10	12.09	Mar. 19	12.32	Oct. 17	12.99	Oct. 27	14.37
Oct. 18	11.91	Apr. 19	12.44	Nov. 21	13.07	Dec. 22	14.83

269. J. M. Barnett. Isle of Hope. Lat $31^{\circ}58'48''$, long $81^{\circ}02'02''$. Drilled domestic artesian well in Ocala limestone, diam 8 in, depth 521 ft, cased to 160. Lsd 9.8 ft above msl. MP hole in pump base, 1.50 ft above lsd. Highest water level 9.51 below lsd, May 8, 1939; lowest 35.31 below lsd, June 23, 1958. Records available: 1939-58.

Jan. 20, 1956	26.40	Nov. 26, 1956	29.58	June 25, 1957	30.53	Feb. 17, 1958	32.49
Apr. 6	26.08	Jan. 21, 1957	30.47	July 19	31.31	June 23	35.31
June 25	31.33	Feb. 18	29.75	Aug. 14	32.41	July 24	34.23
Aug. 27	30.98	Mar. 18	29.61	Oct. 7	31.78	Aug. 28	34.17
Sept. 26	31.33	Apr. 17	30.51	Nov. 4	32.43	Oct. 17	33.18
Oct. 26	29.81	May 16	30.46	Dec. 18	33.41	Dec. 12	32.43

279. J. B. Pound Hotel Corp. General Oglethorpe Hotel, Wilmington Island. Lat $32^{\circ}00'15''$, long $80^{\circ}58'14''$. Drilled industrial artesian well in Ocala limestone, diam 12 in, depth 480 ft, cased to 160. Lsd 15.1 ft above msl. MP hole in pump base, 3.00 ft below lsd. Highest water level 15.89 below lsd, Jan. 18, 1941; lowest 39.00 below lsd, Sept. 8, 1958. Records available: 1939-58.

Jan. 18, 1956	30.79	Sept. 20, 1956	36.27	Apr. 14, 1957	37.09	Dec. 10, 1957	34.22
Feb. 17	30.66	Oct. 19	35.20	May 12	37.91	Jan. 6, 1958	35.30
Mar. 19	31.09	Nov. 16	35.84	June 11	35.36	July 8	36.55
Apr. 26	33.39	Dec. 17	32.05	July 9	33.70	Aug. 8	37.44
June 6	35.17	Jan. 14, 1957	36.05	Aug. 14	36.20	Sept. 8	39.00
July 15	36.60	Feb. 12	36.02	Sept. 16	36.10	Dec. 30	32.80
Aug. 20	36.28	Mar. 13	36.02	Nov. 20	35.70		

314. J. M. Breckenridge. Lat $32^{\circ}00'12''$, long $81^{\circ}06'41''$. Drilled unused artesian well in Ocala limestone, diam 10 in, depth 601 ft, cased to 255. Lsd 20.5 ft above msl. MP hole in pump base, 1.00 ft above lsd. Highest water level 23.0 below lsd, Jan. 29, 1940; lowest 53.40 below lsd, Aug. 28, 1958. Records available: 1940-58.

Jan. 20, 1956	46.10	Oct. 26, 1956	48.78	June 25, 1957	49.26	Feb. 17, 1958	48.79
Apr. 6	46.27	Nov. 26	48.23	July 19	49.81	June 23	50.63
May 2	48.02	Jan. 21, 1957	48.61	Sept. 17	51.44	July 24	52.73
June 25	48.96	Feb. 18	49.33	Oct. 7	51.91	Aug. 28	53.40
Aug. 27	50.14	Mar. 18	49.93	Nov. 14	52.88	Oct. 17	53.17
Sept. 26	49.36	Apr. 17	49.07	Dec. 18	49.98	Dec. 12	52.15

328. U. S. Army. Fort Screven, Tybee Island. Lat $32^{\circ}01'25''$, long $80^{\circ}50'33''$. Drilled unused artesian well in Hawthorn formation, diam 3 in, depth 139 ft. Lsd 9.85 ft above msl. MP top of casing, at lsd. Highest water level 6.30 below lsd, Dec. 13, 1940; lowest 18.78 below lsd, Sept. 8, 1958. Records available: 1940-58.

Jan. 18, 1956	14.31	Feb. 12, 1957	17.27	July 9, 1957	17.40	July 8, 1958	18.10
Feb. 16	16.18	Mar. 13	18.07	Aug. 14	17.60	Aug. 8	18.41
Mar. 20	15.20	Apr. 14	18.01	Sept. 16	17.59	Sept. 8	18.78
Apr. 20	15.03	May 10	18.63	Nov. 20	17.48	Oct. 20	17.02
June 12	17.57	June 10	18.19	Dec. 10	17.34	Dec. 30	17.99
Jan. 14, 1957	17.91						

330. State Highway Dept. Lat $32^{\circ}01'18''$, long $81^{\circ}12'17''$. Drilled unused artesian well in Ocala limestone, diam 3 to 2 in, depth 540 ft, cased to 400. Lsd 10.02 ft above msl. MP top of 3-in casing, 2.54 ft above lsd. Highest water level 1.81 below lsd, Aug. 11, 1941; lowest 18.11 below lsd, Aug. 27, 1958. Records available: 1941-47, 1949-58. For additional measurements, see Stewart (1958).

Jan. 23, 1956	11.89	Nov. 19, 1956	14.95	June 6, 1957	15.55	July 25, 1958	17.00
Apr. 9	12.09	Jan. 18, 1957	14.97	July 24	16.45	Aug. 27	18.11
May 15	13.41	Feb. 19	15.53	Sept. 4	11.83	Sept. 26	17.09
July 26	14.17	Mar. 19	14.56	Oct. 17	12.36	Oct. 27	17.86
Sept. 10	14.90	Apr. 19	15.62	Nov. 21	13.11	Dec. 22	17.64
18	14.83	May 21	15.55	Dec. 19	15.36		

343. U. S. Dept. of Agriculture. Barbour Lathrop Plant Introduction Station. Lat $31^{\circ}59'35''$, long $81^{\circ}15'44''$. Drilled observation water-table well in sediments of Pleistocene and Recent age, diam 6 in, depth 15 ft, cased to 15 with tile. Lsd 18.67 ft above msl. MP iron jacket on recorder shelter, 3.30 ft above lsd. Highest water level 0.05 below lsd, Sept. 26, 1953; lowest 10.92 below lsd, Mar. 5, 1957. Records available: 1942-58.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	10.61	10.89	9.87	....	9.83	10.10	9.64	10.34	10.72	8.83	7.85	9.33
10	10.67	10.64	9.81	9.85	9.63	10.24	9.62	10.37	10.65	8.73	8.14	9.48
15	10.73	10.42	9.76	9.69	9.51	10.38	9.79	10.50	10.75	8.83	8.47	9.61
20	10.80	10.20	9.66	9.66	9.62	10.49	9.99	10.62	10.85	....	8.72	9.74
25	10.85	10.01	9.63	9.70	9.78	10.50	10.11	10.70	10.42	7.48	8.92	9.81
Eom	10.88	9.96	9.70	9.76	9.96	10.28	10.29	10.79	8.80	7.57	9.11	9.93

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	10.06	10.61	10.92	9.51	8.84	3.86	3.09	2.48	4.37	2.70	5.10	3.66
10	10.15	10.67	10.86	9.33	8.52	2.90	3.11	3.07	2.96	3.31	5.40	3.22
15	10.25	10.74	10.78	9.10	8.04	3.60	3.66	3.74	3.59	3.80	5.59	3.63
20	10.36	10.78	10.74	8.96	6.54	4.24	2.68	2.55	3.78	4.17	....	3.86
25	10.44	10.85	10.52	8.97	6.14	4.51	3.45	3.22	3.74	4.46	4.95	....
Eom	10.53	10.90	9.82	10.00	3.82	4.14	....	....	3.41	4.80	....	4.27

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	4.51	4.08	3.70	2.78	3.56	4.12	4.90	4.76	7.55	8.84	9.79	10.42
10	3.99	3.90	2.66	....	3.25	4.07	4.32	5.27	7.93	8.98	9.90	10.53
15	3.89	3.99	3.11	1.00	3.24	....	3.29	5.68	8.27	9.15	10.03	10.64
20	4.18	4.05	3.17	2.38	3.69	5.04	3.82	....	8.50	9.32	10.14	10.71
25	3.65	4.29	3.25	2.53	3.89	4.79	4.01	6.60	8.43	....	10.25	10.78
Eom	3.73	3.46	2.52	3.06	4.41	4.97	4.66	7.14	8.64	9.66	10.36	....

Chattahoochee County

9. U. S. Army. Fort Benning. Lat $32^{\circ}20'36''$, long $84^{\circ}59'03''$. Drilled unused artesian well in Blufftown and Eutaw formations and Tuscaloosa group, diam 12 in, depth 568 ft, screened 215-220, 230-235, 280-290, 540-550. Lsd 255 ft above msl. MP floor of recorder shelter, 1.90 ft above lsd. Highest water level 1.76 below lsd, May 4, 1951; lowest 29.73 below lsd, Sept. 10, 1958. Records available: 1950-58. For additional measurements, see Thomson (1956).

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	4.91	....	....	....	4.33	4.33	4.29	4.27	4.20
10	4.75	....	....	....	4.34	4.32	4.32	4.24	4.20
15	4.63	....	....	....	4.30	4.26	4.35	4.20	4.01
20	4.32	4.28	4.31	4.21	3.97
25	4.36	....	4.22	4.13	3.29
Eom	4.34	....	4.19	4.14	3.46

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	3.53	3.23	....	2.62	6.99	5.91	16.38	....	....	19.40	14.81	12.39
10	3.49	3.24	....	2.40	7.85	7.18	16.90	....	....	19.33	14.26	11.78
15	3.49	3.26	3.07	3.27	9.17	7.42	....	....	23.97	18.43	14.46	10.65
20	3.60	3.26	3.08	4.18	10.15	8.08	....	....	23.00	17.60	13.76	10.20
25	3.44	3.15	2.85	3.94	10.29	....	18.84	....	20.87	16.36	13.09	9.91
Eom	3.25	3.14	2.91	5.08	5.76	15.47	20.84	....	20.77	15.46	13.05	9.64

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	3.53	7.93	6.89	5.97	....	....	11.12	19.57	29.03	20.37	14.95	15.43
10	3.49	7.42	6.11	5.84	....	....	10.46	21.75	29.73	19.29	14.36	15.70
15	8.81	....	6.33	5.80	9.32	....	9.79	23.29	....	18.38	13.83	16.10
20	8.66	....	6.27	5.46	9.98	13.21	10.81	24.83	25.17	17.41	13.96	11.30
25	8.28	7.24	6.22	5.52	10.61	12.33	14.28	26.27	23.33	16.54	14.47	11.60
Eom	7.97	6.91	6.04	....	....	11.73	17.28	27.85	21.98	15.66	14.91	12.11

Clayton County

7. R. P. Bowden. Formerly H. P. Lieupo. Forest Park. Lat $33^{\circ}37'05''$, long $84^{\circ}23'12''$. Drilled domestic water-table well in granite, diam 8 in, depth 184 ft, cased to 14. Lsd 965 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 21.9 below lsd, Apr. 22, 1943; lowest 38.51 below lsd, Dec. 7, 1951. Records available: 1943-54, 1956-58. July 5, 1956, 28.86; Dec. 10, 31.28; Mar. 26, 1957, 30.34; Sept. 3, 29.77; May 15, 1958, 24.01; Sept. 11, 26.62.

27. G. T. Humphrey. Lat $33^{\circ}35'56''$, long $84^{\circ}22'38''$. Drilled domestic water-table well in granite, diam 6 in, depth 200 ft, cased to 200. Lsd 932 ft above msl. MP top of 5-in casing, 0.40 ft above lsd. Highest water level 30.3 below lsd, Apr. 28, 1943; lowest 55.17 below lsd, Dec. 23, 1948. Records available: 1943-54, 1956-58. July 5, 1956, 47.17; Dec. 10, 36.84; Mar. 26, 1957, 32.59; Sept. 3, 38.90; Sept. 11, 1958, 39.79.

Cobb County

11. Mrs. J. H. Carmichael. Oakdale. Lat $33^{\circ}50'27''$, long $84^{\circ}28'47''$. Drilled unused water-table well in schist, diam 6 in, depth 112 ft. Lsd 900 ft above msl. MP top of casing, 1.10 ft below lsd. Highest water level 21.66 below lsd, May 27, 1953; lowest 33.47 below lsd, Dec. 22, 1947. Records available: 1943-54, 1956-58. July 5, 1956, 26.25; Dec. 10, 27.70; Mar. 26, 1957, 23.85; Sept. 3, 26.76; May 14, 1958, 24.10; Sept. 10, 25.40.

14. J. A. Rust. Smyrna. Lat $33^{\circ}52'21''$, long $84^{\circ}29'59''$. Drilled industrial water-table well in injection complex, diam 6 in, depth 117 ft, cased to 40. Lsd 1,020 ft above msl. MP top of casing, at lsc. Highest water level 37.27 below lsd, Feb. 28, 1946; lowest 47.95 below lsd, Apr. 10, 1947. Records available: 1943-54, 1956-58. July 6, 1956, 38.86; Dec. 10, 43.98; Mar. 26, 1957, 45.19; Sept. 3, 44.43; Sept. 10, 1958, 44.24.

21. J. B. Gaines. Oakdale. Lat $33^{\circ}50'07''$, long $84^{\circ}28'10''$. Drilled domestic water-table well in rock of Precambrian (?) age, diam 6 in, depth 85 ft, cased to 40. Lsd 858 ft above msl. MP top of casing, 0.90 ft above lsd. Highest water level 29.70 below lsd, Aug. 4, 1949; lowest 36.60 below lsd, Dec. 10, 1956. Records available: 1943-54, 1956-58. July 6, 1956, 35.48; Dec. 10, 36.60; Mar. 26, 1957, 35.70; Sept. 3, 36.44; May 14, 1958, 33.16; Sept. 10, 34.05.

27. R. D. Webb. Oakdale. Lat $33^{\circ}50'21''$, long $84^{\circ}28'24''$. Drilled domestic water-table well in gneiss, diam 6 in, depth 54 ft. Lsd 880 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 18.25 below lsd, Aug. 4, 1949; lowest 27.19 below lsd, Dec. 20, 1954. Records available: 1943-54, 1956-58. July 5, 1956, 24.15; Dec. 10, 26.60; Mar. 26, 1957, 23.79; Sept. 3, 25.24; May 14, 1958, 19.31; Sept. 10, 21.61.

32. Mrs. F. C. Arnold. Lat $33^{\circ}41'32''$, long $84^{\circ}30'30''$. Drilled domestic water-table well in rock of Precambrian (?) age, diam 6 in, depth 78 ft. MP top of casing, 21.00 ft above lsd. Highest water level 5.68 below lsd, Mar. 26, 1957; lowest 43.89 below lsd, Aug. 13, 1945. Records available: 1943-45, 1952-54, 1956-58. Dec. 10, 1956, 27.04; Mar. 26, 1957, 5.68; May 14, 1958, 12.59; Sept. 10, 21.75.

71. D. W. Cook. Oakdale. Lat $33^{\circ}50'38''$, long $84^{\circ}29'51''$. Drilled domestic water-table well in gneiss, diam 6 in, depth 109 ft, cased to 40. Lsd 975 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 52.13 below lsd, Aug. 4, 1949; lowest 59.14 below lsd, May 14, 1958. Records available: 1943-54, 1956-58. July 5, 1956, 56.95; Dec. 10, 56.91; Mar. 26, 1957, 55.67; Sept. 3, 56.37; May 14, 1958, 59.14; Sept. 10, 54.67.

83. National Park Service. Kennesaw Mountain National Park. Lat $33^{\circ}59'00''$, long $84^{\circ}35'21''$. Drilled unused water-table well in diorite, diam 6 in, depth 51 ft, cased to 33. Lsd 1,150 ft above msl. MP top of casing, 2.40 ft above lsd. Highest water level 3.14 below lsd, Feb. 28, 1946; lowest 5.86 below lsd, July 6, 1956. Records available: 1943-54, 1956-57. July 6, 1956, 5.86; Dec. 10, 5.85; Mar. 26, 1957, 3.69.

85. F. J. Mulkey. Formerly D. C. Hames. Lat $33^{\circ}58'53''$, long $84^{\circ}33'57''$. Drilled unused water-table well in rock of Precambrian (?) age, diam 6 in, depth 51 ft. Lsd 1,100 ft above msl. MP top of 6 $\frac{1}{4}$ -in coupling, 0.30 ft above lsd. Highest water level 11.38 below lsd, Feb. 28, 1946; lowest 47.42 below lsd, Aug. 25, 1948. Records available: 1943-51, 1953-54, 1956-58. July 6, 1956, 21.42; Dec. 10, 22.44; Mar. 26, 1957, 21.32; Sept. 3, 20.94; May 14, 1958, 17.88; Sept. 10, 19.95.

De Kalb County

17. Mrs. J. H. Anderson. Lat $33^{\circ}41'03''$, long $84^{\circ}20'50''$. Drilled unused water-table well in gneiss, diam 6 in, depth 250 ft. Lsd 862 ft above msl. MP top of casing, 5.50 ft below lsd. Highest water level 25.88 below lsd, June 28, 1943; lowest 43.23 below lsd, July 6, 1956. Records available: 1943-54, 1956-58. July 6, 1956, 43.23; Dec. 10, 42.12; Mar. 26, 1957, 42.35; Sept. 3, 27.76; Sept. 11, 1958, 33.30.

29. Mrs. A. H. Daniel. Glenwood Rd. and Columbia Dr., Decatur. Lat $33^{\circ}44'44''$, long $84^{\circ}15'41''$. Drilled unused water-table well in gneiss, diam 6 in, depth 111 ft. Lsd 1,002 ft above msl. MP edge of concrete cover, 1.00 ft above lsd. Highest water level 36.43 below lsd, May 15, 1958; lowest 40.69 below lsd, Dec. 7, 1951. Records available: 1944-54, 1956-58. July 6, 1956, 36.64; Dec. 10, 39.30; Mar. 26, 1957, 37.96; Sept. 9, 37.90; May 15, 1958, 36.43; Sept. 11, 37.55.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

34. I. W. Williams. Candler and Flat Shoals Rds., Panthersville. Lat $33^{\circ}42'15''$, long $84^{\circ}16'24''$. Drilled unused water-table well in gneiss, diam 5 in, depth 72 ft. Lsd 877 ft above msl. MP top of casing, 1.90 ft above lsd. Highest water level 43.04 below lsd, Aug. 4, 1949; lowest 51.24 below lsd, Dec. 21, 1954. Records available: 1944-54, 1956-58. July 6, 1956, 49.05; Dec. 10, 50.34; Mar. 26, 1957, 50.57; Sept. 9, 50.00; May 15, 1958, 45.24; Sept. 11, 46.34.

39. C. R. Donaldson. Decatur. Lat $33^{\circ}44'35''$, long $84^{\circ}15'20''$. Drilled unused water-table well in gneiss, diam 6 in, depth 82 ft. Lsd 986 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 34.39 below lsd, Feb. 26, 1946; lowest 41.46 below lsd, Dec. 21, 1954. Records available: 1944-54, 1956-58. July 6, 1956, 39.14; Dec. 10, 39.01; Mar. 26, 1957, 38.11; Sept. 9, 39.30; May 15, 1958, 34.99; Sept. 11, 37.90.

40. Allen McCain. Glenwood and Candler Rds., Decatur. Lat $33^{\circ}44'12''$, long $84^{\circ}16'32''$. Drilled domestic water-table well in granite, diam 8 in, depth 281 ft, cased to 35. Lsd 923 ft above msl. MP top of casing, 0.30 ft above lsd. Highest water level 1.71 below lsd, Dec. 15, 1953; lowest 15.15 below lsd, Aug. 4, 1949. Records available: 1944-54, 1956-58. July 6, 1956, 2.53; Dec. 10, 2.30; Mar. 26, 1957, 1.81; Sept. 9, 2.56; May 15, 1958, 1.97; Sept. 11, 2.35.

Effingham County

7. Central of Georgia Ry. Meldrim. Lat $32^{\circ}08'17''$, long $81^{\circ}22'54''$. Drilled industrial artesian well in Ocala limestone, diam 8 in, depth 431 ft, cased to 273. Lsd 31.75 ft above msl. MP hole in recorder shelter, 2.48 ft above lsd. Highest water level 5.21 above lsd, Apr. 5, 1939; lowest 10.88 below lsd, Nov. 30, 1958. Records available: 1939-44, 1951-58.

Day	Water level at noon, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	7.34	7.31	7.17	7.24	7.52	....	....	....	....	8.58	....	8.97
10	7.01	6.95	7.27	6.94	7.61	....	....	....	....	8.66	....	8.99
15	7.08	7.12	7.16	7.09	7.56	....	....	....	8.43	8.53	....	8.94
20	7.15	7.02	7.24	7.38	7.69	....	....	....	8.49	8.64	....	9.01
25	7.26	6.97	7.29	7.58	7.84	....	....	....	7.21	8.57	....	8.98
Eom	7.36	....	7.18	7.61	....	....	....	....	8.59	....	....	8.96
1957												
5	8.94	9.07	8.90	....	....	....	....	9.61	....	9.73	10.00	....
10	8.94	8.93	8.95	....	....	....	....	9.43	....	9.72	....	9.90
15	8.84	9.07	8.93	....	....	....	....	9.30	....	9.81	....	9.74
20	9.01	....	8.77	....	....	....	9.53	....	....	9.76	....	....
25	....	....	....	....	....	....	9.51	....	....	9.72	....	....
Eom	9.01	....	....	....	....	....	10.24	....	....	9.81	....	....
1958												
5	....	8.76	10.00	....	9.31	9.66	9.83	9.97	10.52	10.33	10.42	....
10	....	9.70	....	....	9.48	9.53	10.03	10.13	10.53	10.35	10.61	....
15	....	9.34	....	....	....	9.57	10.04	10.15	10.47	....	10.60	....
20	....	9.89	....	....	....	9.66	9.85	10.25	10.39	....	10.67	....
25	....	9.72	....	9.51	9.33	....	9.89	10.25	10.42	10.35	10.67	....
Eom	....	9.56	....	9.44	9.34	9.95	10.05	10.41	10.37	10.47	10.58	....

Evans County

3. City of Claxton. Lat $32^{\circ}09'36''$, long $81^{\circ}54'34''$. Drilled municipal artesian well in Ocala limestone, diam 6 in, reported depth 620 ft. Lsd 182 ft above msl. MP 1-in tap hole in 4-in eductor pipe, 3.40 ft above lsd. Highest water level 110.26 below lsd, Aug. 4, 1948; lowest 121.27 below lsd, Nov. 4, 1957. Records available: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 4, 1956	120.96	Nov. 13, 1956	120.55	Nov. 4, 1957	121.27	May 26, 1958	121.02
Nov. 13	120.49	May 27, 1957	120.30	Mar. 14, 1958	121.13	Oct. 13	121.23

Fulton County

21. City of East Point. Lat $33^{\circ}40'16''$, long $84^{\circ}26'22''$. Drilled unused water-table well in gneiss, diam 8 in, depth 500 ft, cased to 106. Lsd 1,033 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 20.87 below lsd, May 27, 1953; lowest 23.72 below lsd, Dec. 21, 1954. Records available: 1946, 1952-54, 1956-58. Dec. 10, 1956, 23.21; Mar. 26, 1957, 22.25; Sept. 3, 22.43; May 15, 1958, 21.58; Sept. 11, 21.73.

26. O'Neill Bros. East Point. Lat $33^{\circ}40'41''$, long $84^{\circ}26'23''$. Drilled unused water-table well in gneiss, diam 10 in, depth 350 ft. Lsd 1,038 ft above msl. MP hole in floor of recorder shelter, 2.10 ft above lsd. Highest water level 12.85 below lsd, Apr. 11, 1948; lowest 25.06 below lsd, Feb. 10, 1944. Records available: 1943-58. For additional measurements, see Callahan (1959) and Thomson (1956).

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	22.25	20.34	.....	17.93	18.60	19.15	18.14	18.87	.....	19.48	.....
10	.....	20.26	.....	17.95	18.77	18.89	18.15	19.02	.....	19.46	.....	.....
15	22.34	.....	20.15	.....	17.99	18.82	18.84	18.18	19.11	.....	19.54	.....
20	22.41	.....	19.55	.....	.....	18.74	18.50	.....	19.29	.....	19.56	.....
25	22.38	.....	19.44	.....	.....	18.87	18.53	.....	.....	19.29	19.56	.....
Eom	22.42	20.61	19.28	.....	18.42	19.04	18.43	18.68	.....	19.30	19.73	.....

1957

5	19.60	18.24	17.96	.....	16.88	17.35	.....	18.47	19.13	.....	18.78	.....
10	19.35	18.06	17.93	16.47	16.83	17.32	.....	18.59	.....	.....	18.97	.....
15	19.38	18.14	17.87	16.55	16.84	.....	.....	18.66	.....	.....	.....	.....
20	19.39	.....	.....	16.50	.....	.....	.....	18.71	.....	.....	16.89	.....
25	19.16	.....	.....	16.68	17.08	.....	17.93	18.79	.....	.....	16.83	.....
Eom	18.47	.....	17.42	16.75	17.26	.....	18.21	19.01	.....	18.59	.....	16.97

1958

5	17.06	16.72	16.03	.....	.....	15.44	.....	.....	.....	.....	16.57	17.39
10	17.04	.....	15.61	.....	14.44	.....	.....	.....	.....	15.67	16.81	17.61
15	16.88	.....	15.54	.....	14.43	.....	.....	.....	15.25	15.85	16.93	17.67
20	17.11	.....	15.59	.....	14.52	.....	.....	.....	15.43	16.03	17.10	17.79
25	16.74	.....	.....	.....	.....	.....	.....	15.43	16.18	17.23	.....	.....
Eom	16.64	15.68	14.92	.....	.....	.....	.....	15.65	16.44	.....	.....	.....

77. E. S. Nix. Bolton. Lat $33^{\circ}37'36''$, long $84^{\circ}29'34''$. Drilled domestic water-table well in gneiss, diam 8 in, depth 84 ft, cased to 44. Lsd 844 ft above msl. MP top of casing, 4.80 ft below lsd. Highest water level 18.00 below lsd, Dec. 16, 1953; lowest 28.25 below lsd, Dec. 10, 1956. Records available: 1943-54, 1956-58. Dec. 10, 1956, 28.25; Mar. 26, 1957, 25.27; Sept. 3, 26.14; May 14, 1958, 21.93; Sept. 10, 22.72.

Glynn County

13. U. S. Dept. of Commerce. At lighthouse on St. Simon Island. Lat $31^{\circ}07'57''$, long $81^{\circ}23'41''$. Drilled domestic artesian well in Ocala limestone, diam 4 to 3 to 2 in, depth 627 ft, cased to 500. Lsd 13.5 ft above msl. MP top of $4\frac{1}{2}$ -in tee, 2.00 ft above lsd. Highest water level 36.63 above lsd, Dec. 13, 1938; lowest 18.63 above lsd, Nov. 7, 1957. Records available: 1938, 1940-58. June 5, 1956, +21.39; Nov. 15, +20.75; May 29, 1957, +20.90; June 20, +18.80; Nov. 7, +18.63; Jan. 27, 1958, +21.10; May 27, +19.00.

37. U. S. Government. Formerly F. G. Horne. St. Simon Island. Lat $31^{\circ}13'08''$, long $81^{\circ}23'31''$. Drilled domestic artesian well in Ocala limestone, diam 4 in, depth 640 ft, cased to about 500. Lsd 13.88 ft above msl. MP top of 3-in cross, 1.70 ft above lsd. Highest water level 36.0 above lsd, Jan. 11, 1939; lowest 13.3 above lsd, May 27, 1958. Records available: 1939, 1941-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 5, 1956	+17.74	May 29, 1957	+16.0	Nov. 7, 1957	+14.87	May 27, 1958	+13.3
Nov. 15	18.0	June 20	15.0	Jan. 27, 1958	16.3	Oct. 14	14.9

44. Sea Island Co. Gun Club on St. Simon Island. Lat $31^{\circ}10'40''$, long $81^{\circ}21'29''$. Drilled domestic artesian well in Ocala limestone, diam 3 in, depth 640 ft, cased to about 500. Lsd 7.3 ft above msl. MP top of 3-in cross on 3-in tee, 0.80 ft above lsd. Highest water level 40.96 above lsd, Jan. 11, 1939; lowest 21.26 above lsd, Nov. 7, 1957. Records available: 1939-58. For additional measurements, see Stewart (1958).

June 5, 1956	+25.13	May 29, 1957	+23.5	Nov. 7, 1957	+21.28	May 27, 1958	+22.0
Nov. 15	24.7	June 20	23.3	Jan. 27, 1958	25.2	Oct. 14	22.6

63. S. L. Lewis. Near Southern Junction. Lat $31^{\circ}13'45''$, long $81^{\circ}31'43''$. Drilled domestic artesian well in Ocala limestone, diam 3 in, depth about 700 ft. Lsd 26 ft above msl. MP top of 3-in cross, 1.60 ft above lsd. Highest water level 22.47 above lsd, Feb. 2, 1939; lowest 0.19 below lsd, June 20, 1957. Records available: 1939, 1942-58. For additional measurements, see Stewart (1958). June 6, 1956, +2.43; Nov. 15, +1.45; May 29, 1957, +0.11; June 20, -0.19; June 21, +0.30; Nov. 6, -0.03; Jan. 30, 1958, +2.7.

138. G. F. Cowman. Lat $31^{\circ}08'22''$, long $81^{\circ}34'30''$. Drilled domestic artesian well in Ocala limestone, diam 3 in, depth 665 ft, cased to about 500. Lsd 8 ft above msl. MP top of 3-in cross, 1.50 ft above lsd. Highest water level 36.5 above lsd, Sept. 18, 1939; lowest 18.0 above lsd, May 28, 1958. Records available: 1939-58. For additional measurements, see Stewart (1958).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 6, 1956	+20.19	May 29, 1957	+18.1	Nov. 7, 1957	+19.66	May 28, 1958	+18.0
Nov. 15	+20.1	June 18	+19.2	Jan. 28, 1958	+20.3	Oct. 15	+18.5

Liberty County

75. Mrs. E. P. Way. Lat $31^{\circ}41'11''$, long $81^{\circ}24'27''$. Drilled domestic artesian well in Ocala limestone, diam 4 in, depth 500 ft, cased to 187. Lsd 26 ft above msl. MP top of 3-in cross, 1.90 ft above lsd. Highest water level 25.48 above lsd, Feb. 9, 1939; lowest 9.38 above lsd, Nov. 5, 1957. Records available: 1939, 1941-58. For additional measurements, see Stewart (1958). June 5, 1956, +13.89; Nov. 14, +13.80; May 28, 1957, +12.3; Nov. 5, +9.38; May 26, 1958, +12.32; Oct. 14, +12.20.

137. H. A. Bacon. Hinesville. Lat $31^{\circ}50'59''$, long $81^{\circ}35'25''$. Drilled domestic artesian well in Ocala limestone, diam 2 in, depth 527 ft, cased to 400. Lsd 47 ft above msl. MP top of 2-in tee, 0.90 ft above lsd. Highest water level 3.40 above lsd, Apr. 26, 1939; lowest 12.80 below lsd, Nov. 5, 1957. Records available: 1939-58. June 5, 1956, 10.60; Nov. 14, 10.64; Nov. 14, 10.63; May 28, 1957, 11.0; Nov. 5, 12.80; May 13, 1958, 11.71; Oct. 14, 11.80.

170. J. H. Woodall. Lat $31^{\circ}50'52''$, long $81^{\circ}24'35''$. Drilled domestic artesian well in Ocala limestone, diam 3 in, depth 503 ft, cased to 463. Lsd 10 ft above msl. MP top of 3-in tee on casing, 1.20 ft above lsd. Highest water level 14.97 above lsd, June 30, 1941; lowest 2.28 above lsd, May 13, 1958. Records available: 1941-58. June 5, 1956, +5.70; Nov. 14, +5.3; May 28, 1957, +3.5; Nov. 5, +3.61; May 13, 1958, +2.28; Oct. 14, +3.40.

177. P. E. Youmans. On Colonels Island. Lat $31^{\circ}43'56''$, long $81^{\circ}14'27''$. Drilled domestic artesian well in Ocala limestone, diam 3 in, depth 490 ft, cased to 100. Lsd 13 ft above msl. MP top of 3-in cross on casing, 1.70 ft above lsd. Highest water level 12.35 above lsd, Aug. 26, 1945; lowest 1.59 above lsd, Nov. 5, 1957. Records available: 1942-58. For additional measurements, see Stewart (1958). Nov. 13, 1956, +3.45; May 28, 1957, +2.95; Nov. 5, +1.59; May 13, 1958, +1.88; Oct. 14, +1.89.

Long County

8. Town of Ludowici. Lat $31^{\circ}42'41''$, long $81^{\circ}44'45''$. Drilled municipal artesian well in Ocala limestone, diam 8 to 6 in, depth 579 ft. Lsd 66 ft above msl. MP hole in pump base, 2.70 ft above lsd. Highest water level 9.29 below lsd, Mar. 18, 1940; lowest 29.97 below lsd, Oct. 15, 1958. Records available: 1940-47, 1949-58. For additional measurements, see Stewart (1958). June 7, 1956, 25.04; May 30, 1957, 25.64; Nov. 7, 28.21; Feb. 28, 1958, 27.64; May 26, 27.41; Oct. 15, 29.97.

McIntosh County

14. C. H. Stebbins. Lat $31^{\circ}38'15''$, long $81^{\circ}23'35''$. Drilled domestic artesian well in Ocala limestone, diam 3 in. Lsd 17 ft above msl. MP top of 3-in tee, 1.90 ft above lsd. Highest water level 22.15 above lsd, Feb. 9, 1939; lowest 6.33 above lsd, Nov. 5, 1957. Records available: 1941-58. Nov. 14, 1956, +11.0; May 28, 1957, +9.3; Nov. 5, +6.33; May 26, 1958, +8.54; Oct. 14, +8.20.

43. Shellman Bluff. Lat $31^{\circ}34'08''$, long $81^{\circ}19'27''$. Drilled municipal artesian well in Ocala limestone, diam 3 in, depth 650 ft. Lsd 15 ft above msl. MP top of 3-in tee, 1.00 ft above lsd. Highest water level 34.75 above lsd, Mar. 12, 1939; lowest 7.40 above lsd, Oct. 14, 1958. Records available: 1939, 1941-43, 1945-47, 1949-58. June 5, 1956, +11.30; Nov. 14, +10.9; May 28, 1957, +8.4; June 14, +9.6; Nov. 5, +7.89; May 26, 1958, +8.00; Oct. 14, +7.40.

144. Thomas LeCain. Formerly Col. Talbot Smith. Lat $31^{\circ}23'25''$, long $81^{\circ}24'27''$. Drilled domestic artesian well in Ocala limestone, diam 4 in, depth 716 ft, cased to about 600. Lsd 20 ft above msl. MP top of 4-in cross, 1.50 ft above lsd. Highest water level 25.85 above lsd, Apr. 28, 1939; lowest 8.36 above lsd, Nov. 5, 1957. Records available: 1939-58. For additional measurements, see Stewart (1958). June 5, 1956, +11.67; Nov. 15, +10.15; May 28, 1957, +8.50; Nov. 5, +8.36; May 26, 1958, +8.70; Oct. 14, +8.70.

180. D. C. Cowart. Eulonia. Lat 31°31'30", long 81°25'59". Drilled domestic artesian well in Ocala limestone, diam 3 in, depth about 500 ft. Lsd 1.8 ft above msl. MP top of 3-in cross on casing, 1.80 ft above lsd. Highest water level 23.26 above lsd, Aug. 27, 1947; lowest 9.2 above lsd, Oct. 14, 1958. Records available: 1942-58. For additional measurements, see Stewart (1958). June 5, 1956, +13.34; Nov. 14, +13.20; May 28, 1957, +12.30; June 11, +9.80; Nov. 5, +9.38; May 26, 1958, +10.30; Oct. 14, +9.20.

Montgomery County

1. H. V. Thompson. Ailey. Lat 32°11'09", long 82°34'24". Drilled industrial artesian well in Ocala limestone, diam 6 to 4 in, depth 403 ft, cased to 345. Lsd 255 ft above msl. MP hole in pump base, 1.60 ft above lsd. Highest water level 104.60 below lsd, June 15, 1943; lowest 114.65 below lsd, Mar. 14, 1958. Records available: 1941-43, 1945-46, 1949-51, 1953-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 4, 1956	109.67	Nov. 13, 1956	110.26	Nov. 4, 1957	112.99	May 26, 1958	113.73
Nov. 13	110.26	May 27, 1957	111.69	Mar. 14, 1958	114.65	Oct. 13	113.76

Pierce County

2. City of Blackshear. Lat 31°18'11", long 82°14'09". Drilled unused artesian well in Ocala limestone, diam 8 to 6 in, depth 635 ft, cased to 447. Lsd 130.6 ft above msl. MP hole in pump base, 1.00 ft above lsd. Highest water level 57.08 below lsd, Dec. 8, 1947; lowest 69.54 below lsd, June 6, 1956. Records available: 1939-43, 1945-58. June 16, 1956, 69.54; Nov. 16, 68.28; May 30, 1957, 67.97; Nov. 6, 68.67; May 29, 1958, 65.99; Oct. 15, 66.91.

5. Town of Patterson. Lat 31°23'11", long 82°08'00". Drilled municipal artesian well in Ocala limestone, diam 8 to 6 in, depth 635 ft, cased to 447. Lsd 104 ft above msl. MP hole in pump base, 1.50 ft above lsd. Highest water level 30.71 below lsd, Dec. 8, 1947; lowest 45.34 below lsd, June 9, 1955. Records available: 1941-43, 1945-55, 1957-58. May 30, 1957, 43.2; Nov. 7, 42.17; May 29, 1958, 41.93; Oct. 15, 41.15.

Screven County

3. City of Sylvania. Lat 32°45'03", long 81°36'40". Drilled municipal artesian well in Ocala limestone, diam 10 to 8 in, depth 490 ft. Lsd 218 ft above msl. MP hole in pump base, 0.70 ft above lsd. Highest water level 103.0 below lsd, Aug. 8, 1949; lowest 115.80 below lsd, Oct. 13, 1958. Records available: 1939, 1943, 1945-47, 1949-58. June 4, 1956, 109.10; Nov. 13, 109.59; Nov. 13, 109.41; May 27, 1957, 109.65; Mar. 12, 1958, 109.22; Oct. 13, 115.80.

8. W. W. Yant. Dover. Lat 32°34'38", long 81°42'49". Drilled domestic artesian well in Ocala limestone, diam 3 in, depth 255 ft, cased to 90. Lsd 103 ft above msl. MP top of 2-in valve, 2.00 ft above lsd. Highest water level 18.30 above lsd, July 14, 1952; lowest 10.78 above lsd, June 4, 1955. Records available: 1939, 1943, 1945-46, 1949-58. June 4, 1956, +14.30; Nov. 13, +15.1; May 27, 1957, +15.1; Nov. 4, +14.7; Mar. 12, 1958, +12.51; Oct. 13, +15.0.

Spalding County

12. State Experiment Station. Lat 33°15'07", long 84°17'18". Dug unused water-table well in residuum, size 4 by 4 ft, depth 30 ft. Lsd 960 ft above msl. MP hole in floor of recorder shelter, 3.10 ft above lsd. Highest water level 8.26 below lsd, Mar. 19, Apr. 11, 1948; lowest 21.08 below lsd, Dec. 8, 1943. Records available: 1943-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	17.55	17.85	15.88	14.43	13.62	14.96	16.49	17.50	18.46	17.40	17.80	18.63
10	17.57	16.93	15.91	14.03	13.76	15.27	16.64	17.68	18.64	17.28	17.94	18.76
15	17.77	16.50	15.90	13.57	13.84	15.56	16.82	17.84	18.70	17.24	18.09	18.83
20	17.90	16.20	15.26	13.35	14.12	15.73	16.96	18.00	18.89	17.32	18.24	18.87
25	17.97	15.90	14.96	13.35	14.50	15.93	17.09	18.18	18.85	17.45	18.25	17.95
Eom	18.13	.....	14.65	13.43	14.66	16.25	17.35	18.36	17.78	17.52	18.41	16.68
						1957						
5	16.23	14.90	14.76	13.30	13.29	13.62	14.25	14.80	15.52	15.77	16.40	14.86
10	16.05	14.59	14.47	12.58	13.46	13.86	14.28	14.78	.....	15.69	16.53	14.20
15	15.85	14.69	14.29	12.70	13.05	14.10	14.45	15.00	15.74	15.77	16.62	14.10
20	15.90	14.80	13.92	12.83	13.06	14.22	14.60	.....	.....	15.79	16.53	13.86
25	15.77	14.85	13.68	12.99	13.22	14.33	14.70	15.11	.....	15.90	15.57	13.91
Eom	15.24	14.85	13.45	13.15	13.45	14.41	14.76	15.05	15.99	16.14	15.10	13.69

12--Continued.

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.77	13.48	12.23	10.85	.....	12.49	13.81	13.87	15.24	16.44	18.05	18.88
10	13.69	12.68	11.64	.....	10.29	.....	13.91	14.06	15.44	17.07	18.12	19.07
15	13.65	12.45	11.50	10.65	11.49	13.04	13.79	14.23	15.72	17.40	18.20	19.13
20	13.87	12.66	11.16	10.29	11.66	.....	13.60	14.45	15.92	17.56	18.54	19.07
25	13.70	12.65	11.15	10.62	11.85	13.50	13.44	.....	16.03	17.70	18.67	19.21
Em	13.50	12.38	10.88	.....	12.01	13.68	13.66	14.94	16.31	17.95	18.90	19.19

Wayne County

3. A. W. Hurn. Gardi. Lat $31^{\circ}32'13''$, long $81^{\circ}47'58''$. Drilled domestic artesian well in Ocala limestone, diam 3 in, depth 560 ft. Lsd 62 ft above msl. MP top of 3-in coupling, 1.80 ft above lsd. Highest water level 1.75 below lsd, May 18, 1939; lowest 20.75 below lsd, Oct. 15, 1958. Records available: 1939-43, 1945-58. For additional measurements, see Stewart (1958).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 7, 1956	17.67	May 30, 1957	18.17	Nov. 6, 1957	20.59	May 27, 1958	18.25
Nov. 16	17.28	June 11	18.11	Feb. 25, 1958	19.66	Oct. 15	20.75

10. Town of Screven. Lat $31^{\circ}29'09''$, long $82^{\circ}01'11''$. Drilled municipal artesian well in Ocala limestone, diam 8 to 6 in, depth 931 ft, cased to 572. Lsd 123 ft above msl. MP hole in pump base, 1.20 ft above lsd. Highest water level 55.43 below lsd, Dec. 8, 1947; lowest 68.99 below lsd, June 12, 1957. Records available: 1940-43, 1945-58. June 6, 1956, 67.46; Nov. 16, 67.50; May 30, 1957, 67.90; June 12, 68.99; Feb. 26, 1958, 67.22; May 29, 66.36; Oct. 15, 67.63.

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KENTUCKY

By E. A. Bell

The observation-well program was continued in 1956-58 in cooperation with the Agricultural and Industrial Development Board of Kentucky. Figure 7 shows the location of observation wells included in this report.

Well-Numbering System

The State, except for the Louisville area, has been divided into quadrangles formed by the 5-minute meridians and parallels. Observation wells inventoried in each quadrangle are given numbers beginning with 1. Wells are designated by a composite of three numbers: the first indicates the degrees and minutes of longitude, the second the degrees and minutes of latitude, and the third the number of the well in that quadrangle. Thus, well 8235-3825-1 is the first well inventoried in the 5-minute quadrangle west of $82^{\circ}35'$ longitude and north of $38^{\circ}25'$ latitude.

In the Louisville area, between longitude 85° and 86° and latitude 38° and 39° , the quadrangles are bounded by 1-minute meridians and parallels. The well designation omits the degrees, using only minutes of longitude and latitude. Thus, well 50-10-2 is the second well inventoried in the 1-minute quadrangle west of $85^{\circ}50'$ longitude and north of $38^{\circ}10'$ latitude.

Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum.

Allen County

8610-3640-5. C. Braley. Lat $36^{\circ}44'$, long $86^{\circ}11'$. Drilled unused artesian well in limestone of Fort Payne chert, diam 6 in, depth 118 ft, cased to 30. MP base of metal recorder shelter, 2.30 ft above lsd. Highest water level 17.35 below lsd, Mar. 23, 1952; lowest 28.61 below lsd, July 15, 1958. Records available: 1951-58.

Day	Water level at noon, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.94	.....	.....	27.74	27.56	28.13	28.17	28.22	28.33	28.31	28.25	28.32
10	27.86	26.85	26.70	27.26	27.77	28.19	28.25	28.34	28.25	28.48	28.26	28.25
15	28.17	.....	.....	27.59	27.86	28.18	28.13	28.30	28.20	28.34	28.29	27.32
20	28.16	.....	.....	28.03	28.07	28.10	28.17	28.27	28.42	28.33	28.25	26.90
25	28.17	.....	.....	27.95	28.18	28.11	28.17	28.33	28.32	28.33	28.20	27.44
Eom	.....	.....	28.14	28.31	28.03	28.14	28.25	28.34	28.33	28.18	28.30	27.75
1957												
5	27.95	26.41	27.77	24.50	28.36	27.95	28.15	28.09	28.30	28.16	28.07	27.97
10	26.37	e24.01	.....	27.83	28.28	28.22	28.23	28.02	28.39	28.21	28.17	k23.65
15	27.61	27.41	27.77	28.30	28.02	28.36	28.13	28.07	.....	28.10	e27.35	27.87
20	27.97	.....	28.15	28.35	27.90	28.37	28.18	28.12	.....	28.27	26.00	20.00
25	26.10	.....	28.13	28.35	26.94	28.33	28.14	28.23	28.16	28.07	27.68	.....
Eom	22.10	.....	27.86	28.35	27.87	28.45	28.10	28.29	28.13	27.98	27.85	.....
1958												
5	.....	.....	28.30	.....	27.06	28.27	28.40	28.20	28.26	28.24	28.14	27.65
10	.....	.....	27.30	23.90	.....	28.35	28.51	28.35	28.15	28.15	28.51	28.13
15	h28.03	27.80	26.86	27.24	27.45	.....	28.61	28.43	28.20	28.28	28.01	28.31
20	.....	28.42	.....	27.79	27.98	28.55	27.23	28.34	26.60	28.23	28.05	28.24
25	.....	28.30	.....	27.96	27.63	28.58	28.01	28.03	28.10	28.30	28.10	23.40
Eom	.....	28.17	.....	.....	28.30	28.50	28.16	28.16	28.20	28.30	27.34	28.24

e Estimated.

h Tape measurement.

k Interpolated.

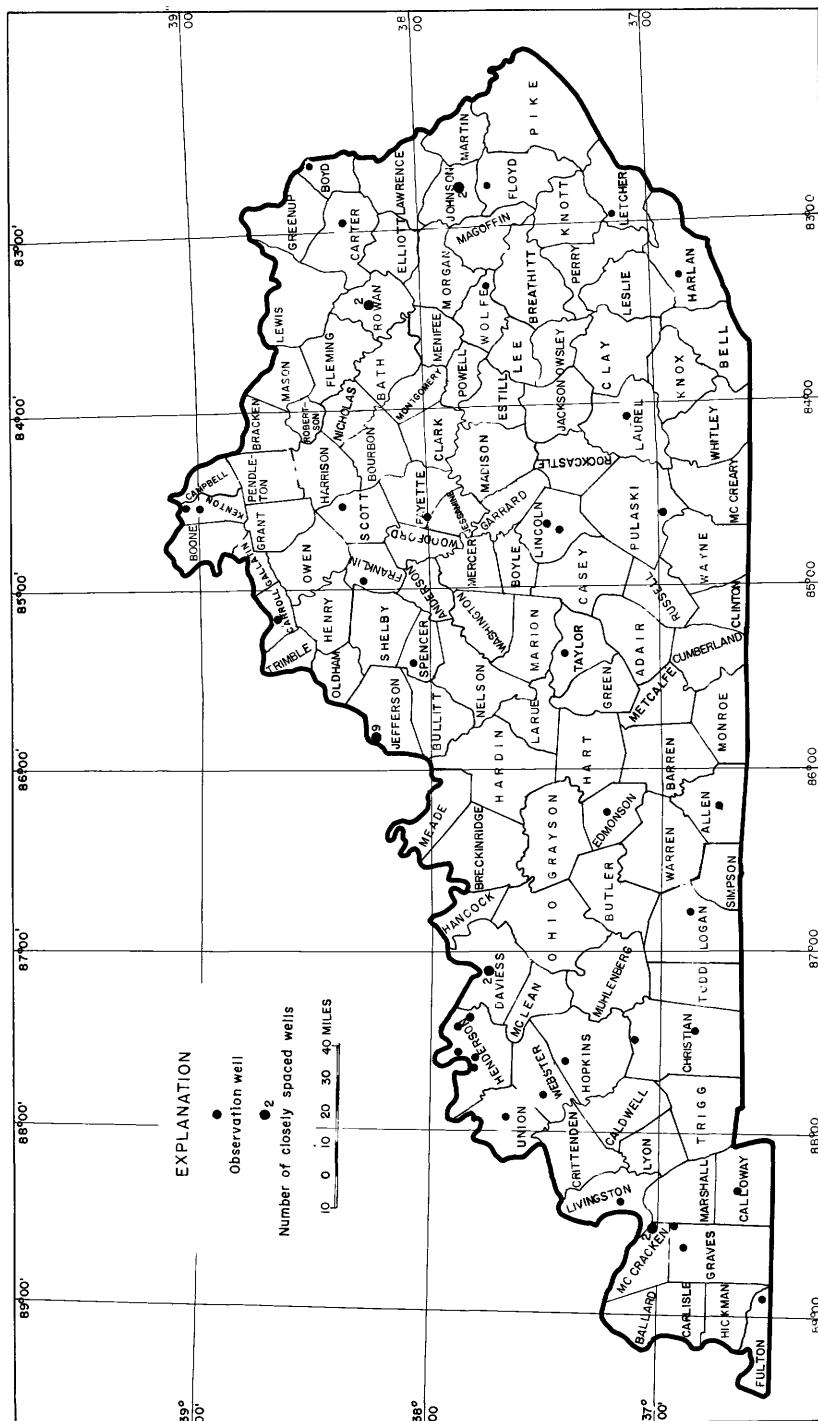


Figure 7.—Location of observation wells in Kentucky, 1956-58.

Boyd County

8235-3825-1. City of Ashland. 40th St. and U. S. Highways 23 and 60. Lat 38°27', long 82°36'. Drilled unused water-table well in sand and gravel, diam 6 in, depth 58 ft, reportedly cased to 62. MP top of casing, 4.42 ft above lsd. Highest water level 21.53 below lsd, Mar. 25, 1955; lowest 44.13 below lsd, Jan. 12-13, 1954. Records available: 1951-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	43.17	.....	35.79	.....	.....	30.87	36.01	38.14	39.72	41.31	42.28	42.63
10	43.18	.....	34.45	h25.94	31.95	32.00	36.60	37.36	40.08	41.60	42.42	42.97
15	43.20	.....	31.50	.....	31.45	33.68	37.11	37.37	40.49	41.83	42.47	42.33
20	43.29	.....	29.16	.....	30.65	34.66	37.50	38.33	40.88	42.03	42.57	40.61
25	43.29	36.61	.....	.....	32.20	35.28	37.97	39.00	41.05	42.03	42.58	40.70
Eom	43.33	36.31	.....	.....	31.45	35.08	37.52	39.55	41.16	42.10	42.75	40.08

1957

5	40.49	35.68	34.30	35.83	33.18	37.45	.....	41.56	42.78	43.34	43.75	43.80
10	40.97	35.42	34.27	31.48	34.38	38.02	40.05	41.74	42.97	43.42	43.85	42.74
15	39.67	32.86	34.80	29.73	35.16	38.48	40.33	41.97	43.04	43.49	43.85	41.95
20	40.03	34.47	35.12	31.47	35.94	38.80	40.64	42.19	43.14	43.62	43.85	42.32
25	39.65	35.01	35.64	31.83	36.36	39.20	40.94	42.40	43.25	43.64	43.64	41.38
Eom	37.55	35.37	36.15	32.25	37.00	e39.56	41.23	42.63	43.27	43.73	43.74	39.93

1958

5	40.11	39.00	38.15	35.90	30.74	.....	37.71	34.70	37.55	39.87	41.36	42.28
10	40.61	38.58	37.86	35.24	.....	.....	38.13	34.46	38.03	40.17	41.61	41.94
15	40.81	38.60	38.11	34.73	.....	.....	37.99	34.95	38.45	40.44	41.66	42.03
20	40.56	39.24	38.20	34.98	.....	36.14	36.70	35.81	38.83	40.72	41.86	42.14
25	40.24	39.60	38.40	35.29	.....	36.75	35.78	36.53	39.24	40.94	42.03	42.20
Eom	38.99	39.55	37.10	34.15	.....	37.28	35.35	37.00	39.60	41.23	42.23	42.24

e Estimated.

h Tape measurement.

Calloway County

8815-3635-6. Joe Parks. 15th and Main Sts., Murray. Drilled unused artesian well in sand of Ripley formation, diam 12 in, depth 345 ft, screened 290-328, 330-344. Lsd 548.97 ft above msl. MP base of recorder shelter, 4.18 ft above lsd. Highest water level 123.23 below lsd, Mar. 3, 1953, Feb. 27, 1954; lowest 127.30 below lsd, Aug. 5, 1948. Records available: 1948-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	123.91	123.96	123.79	123.84	123.99	124.21	.....	124.60	124.89	124.97	124.87	124.83
10	124.03	.....	123.90	123.65	124.11	124.29	.....	124.86	124.86	125.10	124.92	.....
15	124.36	123.86	123.82	123.50	123.92	124.48	.....	124.95	124.94	125.06	124.83	.....
20	124.53	.....	123.87	.....	124.01	124.45	124.65	124.75	124.99	125.10	124.77	.....
25	124.64	123.88	123.83	.....	124.26	124.51	124.60	124.85	124.92	124.94	124.56	.....
Eom	124.19	123.97	123.83	123.99	124.25	124.69	124.78	124.87	124.97	124.83	124.91	124.42

1957

5	124.67	124.56	124.23	124.17	124.67	124.47	124.70	124.85	125.02	125.19	124.99	124.72
10	124.78	124.46	.....	124.28	124.73	124.42	124.91	125.03	124.94	125.20	124.93	124.56
15	.....	124.49	124.36	124.59	124.64	124.59	124.89	124.90	125.17	124.59	124.67	.....
20	.....	124.40	124.47	124.46	124.46	124.76	124.75	124.96	124.99	125.16	124.64	.....
25	.....	124.27	124.05	124.54	124.56	124.83	124.76	125.01	125.12	124.96	124.64	.....
Eom	124.55	124.30	124.23	124.68	124.59	124.68	124.81	125.10	125.06	124.99	124.66	124.29

1958

5	124.61	124.28	124.51	124.24	124.37	125.04	125.20	125.07	125.44	.....	125.24	125.08
10	124.46	124.41	124.31	124.21	124.47	.....	125.03	125.27	125.42	125.31	125.23	125.26
15	124.35	124.44	124.47	124.32	124.71	124.82	125.02	125.27	125.32	125.38	125.18	125.20
20	124.31	124.67	124.44	124.47	124.78	124.95	125.04	125.28	125.13	125.28	125.20	125.22
25	124.20	124.47	124.33	124.63	124.78	124.98	124.92	125.13	125.23	125.36	125.16	125.07
Eom	124.14	124.22	124.28	124.63	124.83	125.12	125.02	125.23	125.20	125.32	125.15	124.88

Carroll County

8510-3840-7. Schenley Distillers, Inc. 2d and Seminary Sts., Carrollton. Lat 38°40', long 85°11'. Drilled unused water-table well in sand and gravel, diam 8 in, depth 110 ft, screened 96-110. Lsd about 550 ft above msl. MP top of casing, 3.40 ft above lsd. Highest water level 9.0 below lsd, Mar. 10, 1955; lowest 37.33 below lsd, Jan. 12, 1954. Records available: 1951-58.

8510-3840-7--Continued.

Day	Water level at noon, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	36.32	26.65	21.50	17.71	25.70	23.60	31.86	31.54	.....	35.43	35.55	36.23
10	36.50	22.91	19.30	17.31	25.70	26.14	31.64	29.94	34.27	35.75	35.88	35.42
15	36.51	23.70	15.40	19.37	26.20	31.67	32.78	29.57	34.60	35.80	36.07	33.20
20	36.81	18.30	12.80	17.51	24.20	31.78	32.43	33.08	34.11	35.98	36.23	27.08
25	36.89	17.72	19.00	23.95	27.27	30.28	32.81	33.09	34.78	35.99	36.09	28.93
Eom	34.67	20.00	21.47	26.36	25.80	28.77	29.84	34.36	35.15	36.02	35.95	29.23

1957												
5	31.90	18.35	25.74	23.66	27.69	33.11	30.57	35.78	36.46	36.51	36.57	35.16
10	32.90	18.87	27.27	16.70	31.66	33.09	.....	35.81	36.36	36.59	36.50	29.66
15	27.33	17.20	27.01	15.94	32.51	33.51	.....	35.90	36.36	36.60	36.27	28.89
20	33.25	.....	28.61	22.10	31.70	34.22	.....	36.09	36.26	36.75	32.71	30.50
25	28.62	.....	30.99	23.27	27.85	e33.64	.....	36.23	36.39	36.44	33.82	27.00
Eom	22.92	.....	30.77	23.43	32.16	32.00	.....	36.38	36.49	36.53	34.99	24.18

1958												
5	28.60	27.72	26.97	24.33	19.70	31.76	33.68	23.93	33.65	34.50	35.69	34.56
10	33.00	26.98	28.50	24.00	11.82	.....	33.03	24.88	33.65	35.10	35.79	33.30
15	33.77	30.42	30.50	23.11	12.76	.....	31.22	26.90	34.40	35.27	35.69	e35.10
20	31.82	31.90	30.40	25.93	24.09	28.42	27.20	29.28	34.69	35.50	35.11	e35.60
25	29.50	33.49	30.64	28.27	28.55	31.42	22.93	31.93	33.72	35.57	35.27	35.90
Eom	26.36	32.97	26.50	25.36	31.01	32.00	23.93	31.70	34.13	35.67	35.40	35.71

e Estimated.

Carter County

8255-3815-8. J. E. Newland. Lat 38°19', long 82°57'. Drilled unused water-table well in limestone of Mississippian age, diam 10 in, depth 109 ft. MP top of casing, 0.15 ft below lsd. Highest water level 8.50 below lsd, Feb. 4, 1952; lowest 19.74 below lsd, Sept. 19, 1956. Records available: 1951-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1956	10.52	Oct. 24, 1956	12.06	July 10, 1957	10.80	Apr. 11, 1958	9.40
Feb. 22	9.44	Nov. 13	10.12	Aug. 5	11.10	May 10	9.02
Mar. 20	9.42	Dec. 11	9.52	Sept. 3	11.47	June 18	10.10
Apr. 10	9.22	Jan. 9, 1957	9.68	Oct. 4	11.33	July 14	10.06
May 7	9.94	Feb. 5	9.46	Nov. 1	11.01	Aug. 11	9.85
June 4	9.98	Mar. 5	9.48	Dec. 6	10.08	Sept. 3	10.33
26	9.77	Apr. 2	9.50	Jan. 10, 1958	9.59	30	10.16
July 25	9.92	May 1	9.79	Feb. 14	9.95	Nov. 3	10.59
Aug. 21	10.20	28	10.00	Mar. 14	9.62	Dec. 1	10.20
Sept. 19	19.74						

Christian County

8725-3650-74. Western Kentucky State Hospital. Lat 36°51', long 87°27'. Drilled unused water-table well in Ste. Genevieve limestone, diam 8 in, depth 85 ft. MP base of metal recorder shelter, 2.00 ft above lsd. Highest water level 2.82 below lsd, May 23, 1957; lowest 17.77 below lsd, Oct. 21, 1956. Records available: 1950-58.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.70	10.12	12.04	15.28	15.97	16.57	16.72	15.82	16.88	17.10	17.69	16.90
10	16.74	11.71	11.89	11.70	.....	16.59	16.82	16.83	16.97	17.50	17.52	16.75
15	16.76	11.23	10.15	11.70	.....	16.76	16.70	16.83	17.10	17.68	17.71	15.56
20	15.23	9.50	11.45	11.99	15.88	16.79	16.84	13.00	17.33	17.74	12.28	11.89
25	16.25	11.21	11.98	13.78	16.33	16.77	16.78	16.74	17.46	17.45	16.80	16.26
Eom	8.59	11.60	14.24	15.61	16.50	16.49	16.79	16.86	17.66	17.47	16.86	16.73

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	15.39	11.20	11.58	8.60	16.22	11.64	16.39	16.56	16.88	16.88	16.73	12.96
10	14.23	10.28	11.86	11.09	16.40	11.67	16.22	16.70	16.85	16.91	11.68	10.61
15	16.09	11.59	11.96	11.93	15.60	13.62	16.05	16.64	16.72	16.89	8.10	11.81
20	16.59	11.01	13.00	13.24	10.40	15.86	16.26	16.74	16.87	16.88	7.40	3.90
25	11.50	11.66	10.80	15.00	9.70	16.13	16.32	16.77	16.76	16.50	11.70	11.39
Eom	9.95	9.80	11.50	15.77	10.87	15.00	14.60	16.89	16.89	16.67	11.94	e11.97

e Estimated.

8725-3650-74--Continued.

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	e12.58	11.42	15.18	11.48	10.72	16.47	16.31	11.32	16.64	16.74	16.86	16.43
10	e13.18	11.30	11.37	11.55	11.08	16.62	11.90	12.72	16.67	16.70	16.84	16.62
15	13.70	11.90	11.20	11.67	12.20	....	15.80	15.99	16.72	16.79	16.60	16.71
20	14.18	13.69	11.67	12.22	14.35	16.62	11.71	....	11.39	16.78	16.47	16.73
25	11.17	14.90	9.85	13.44	12.10	16.72	11.19	15.91	16.41	16.82	16.80	16.47
Eom	11.47	14.85	10.93	11.68	16.10	16.76	11.32	16.50	16.69	16.85	15.68	14.85

e Estimated.

8725-3705-3. Williams Coal Co. Lat 37°07', long 87°29'. Drilled unused artesian well in upper (?) part of Tradewater formation of Pennsylvanian age, diam 6 in, reported depth 95 ft. Lsd about 425 ft above msl. MP top of steel casing, 5.00 ft above lsd. Highest water level 0.38 below lsd, Mar. 22, 1952; lowest 14.88 below lsd, Jan. 13, 1954. Records available: 1952-58.

Water level at noon, from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.47	6.11	2.73	....	6.52	10.53	12.17	12.69	12.49
10	3.67	....	3.16	....	7.03	11.16	12.26	12.76	11.48
15	5.27	5.33	....	3.97	5.79	7.24	11.45	12.38	12.81	11.09
20	3.74	5.69	2.48	4.95	6.04	7.42	11.65	12.58	12.73	11.19
25	4.63	5.80	2.15	5.34	6.67	9.50	11.87	12.55	12.72	11.24
Eom	5.37	5.73	2.02	5.67	6.60	8.17	12.05	12.60	12.90	11.08

1953

5	10.95	8.49	7.13	6.62	6.08	6.62	8.48	10.02	11.26	9.23	9.15	12.61
10	10.07	8.39	7.00	6.46	6.13	6.99	8.97	10.34	11.43	9.07	8.85	12.68
15	9.44	7.98	6.50	6.47	6.09	7.19	9.23	10.51	11.55	9.29	8.91	12.77
20	9.10	7.82	6.69	6.45	5.87	7.56	9.37	10.68	10.48	9.53	8.96	13.51
25	8.83	7.65	6.65	6.26	5.96	7.94	9.61	10.95	11.74	9.64	10.67	13.91
Eom	8.68	7.67	6.64	6.03	6.30	8.30	9.83	11.17	12.01	9.18	11.83	14.26

1954

5	14.50	11.78	8.96	8.51	7.49	3.87	4.66	9.97	11.09	12.02	12.66	13.11
10	14.65	11.37	8.84	8.06	7.26	3.59	6.89	10.27	11.55	12.15	12.68	13.30
15	14.68	11.31	8.93	7.98	7.29	4.37	....	10.54	11.75	11.99	12.70	12.88
20	13.79	10.54	8.87	7.84	7.39	4.76	....	10.73	11.90	12.34	12.63	12.78
25	13.33	9.31	8.53	7.69	7.56	5.63	9.34	10.80	11.93	12.49	12.82	12.89
Eom	11.60	9.05	8.50	7.42	5.07	6.20	9.76	11.07	11.96	12.50	13.10	12.12

1955

5	12.11	11.00	9.38	9.11	9.86	8.11	....	....	10.81	11.43	12.32	13.47
10	12.59	10.57	9.51	9.32	10.24	7.84	....	....	11.36	11.60	12.50	13.76
15	11.50	10.74	9.60	9.13	9.63	7.59	....	9.11	12.02	11.39	....	13.78
20	11.27	10.59	9.13	9.43	9.13	7.69	....	9.77	12.59	11.67	13.17	12.60
25	11.26	10.18	9.08	9.29	8.51	7.42	....	10.16	11.68	11.91	13.26	12.22
Eom	11.38	9.92	9.12	9.57	8.14	7.93	....	10.51	11.42	12.11	13.53	12.57

1956

5	12.77	11.32	7.55	6.75	6.69	7.32	8.04	....	10.84	10.60	12.68	.....
10	13.09	10.49	7.71	6.63	6.76	8.10	7.90	....	10.62	12.06	11.60	.....
15	13.30	9.59	8.06	4.07	6.54	8.06	8.41	....	10.76	.....	.....	.....
20	13.41	9.24	8.45	6.29	6.85	7.97	8.53	....	11.30	.....	.....	10.86
25	13.52	7.95	7.03	6.52	7.01	8.09	6.28	....	11.53	.....	.....	10.51
Eom	12.49	7.71	6.80	6.73	6.83	8.71	....	9.97	11.92	13.08	10.89	10.12

1957

5	10.26	....	6.46	6.06	7.49	5.40	7.69	7.99	8.48	....	11.21	8.96
10	9.81	....	6.53	6.08	7.70	5.73	7.46	8.31	8.76	....	10.79	8.74
15	9.48	....	6.29	6.27	7.47	6.10	7.66	8.26	7.21	....	10.10	8.87
20	9.47	6.79	6.37	6.21	6.24	6.45	7.07	8.21	8.55	....	9.53	6.61
25	....	6.65	5.92	7.03	5.17	6.81	7.51	8.28	8.80	10.37	10.31	6.23
Eom	....	6.45	6.32	7.28	5.62	6.91	7.76	8.41	....	....	8.96	7.99

1958

5	8.42	8.19	8.43	7.33	7.55	7.24	7.91	7.27	8.03	8.44	9.54	7.88
10	8.38	8.17	e8.19	7.27	6.97	7.22	7.95	7.34	....	8.30	8.77	7.87
15	8.38	8.19	8.00	....	7.08	6.91	8.31	7.47	....	8.42	8.22	7.90
20	8.55	8.41	8.11	....	7.11	7.39	7.31	7.46	....	8.40	8.06	7.91
25	8.23	8.41	7.86	....	7.18	7.58	7.30	7.84	8.21	8.55	8.14	....
Eom	8.17	8.48	8.00	7.24	5.83	7.78	7.17	7.66	8.15	8.95	7.94	....

e Estimated.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

Daviess County

8705-3745-11. Owensboro Municipal Utilities. 1531 East 4th St., Owensboro. Drilled unused artesian and water-table well in alluvium of Pleistocene and Recent age, diam 12 in, depth 104 ft. MP floor of recorder shelter, 4.33 ft above lsd. Highest water level 26.0 below lsd, Feb. 8, 1952; lowest 55.72 below lsd, July 29, 1952. Records available: 1951-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	49.60	38.68	40.70	43.98	51.07	47.11	.....	50.87	49.28	50.95	49.90	49.32
10	49.12	39.88	40.79	40.92	48.44	48.35	.....	53.26	48.86	49.44	49.06	49.32
15	48.67	39.98	37.57	38.56	49.08	54.32	49.72	51.58	50.31	49.02	51.05	.....
20	52.98	37.01	35.29	41.73	47.13	50.94	.....	50.82	50.86	49.24	49.75	.....
25	52.95	35.16	35.36	45.02	50.40	53.73	.....	50.98	50.20	50.38	48.43	.....
Eom	53.67	37.42	45.78	51.15	52.08	.....	53.03	50.85	48.19	49.85	49.22	.....

1957

5	.....	35.58	48.03	47.68	47.50	49.77	51.22	49.91	49.38	45.86	45.60	46.61
10	.....	e34.17	45.54	33.96	50.30	50.44	50.61	50.04	47.92	45.91	44.24	42.00
15	.....	34.17	47.84	31.69	50.35	51.51	49.76	49.26	47.40	45.44	46.64	37.44
20	48.52	38.34	49.31	38.48	50.26	50.96	54.09	48.41	47.28	44.13	43.82	e42.18
25	49.47	48.17	49.64	43.81	43.63	50.20	53.59	47.10	46.50	45.72	44.08	37.12
Eom	41.10	48.80	49.91	47.08	49.55	50.04	52.50	49.50	45.51	46.39	45.00	35.48

1958

5	38.88	42.88	43.49	.....	36.20	46.58	46.60	39.94	48.48	45.01	45.74	47.38
10	45.93	42.82	43.04	.....	33.04	48.83	e47.36	39.30	47.76	46.53	46.04	48.10
15	45.50	43.03	46.22	.....	31.30	48.30	48.16	44.65	46.78	46.63	45.61	47.49
20	46.65	50.08	46.68	.....	38.22	46.50	42.07	48.11	45.58	46.54	46.93	47.58
25	44.92	47.83	b46.81	50.60	.....	48.97	37.05	46.98	47.81	e46.02	46.60	.....
Eom	37.97	46.97	42.65	44.14	.....	47.88	36.98	47.73	46.26	45.61	46.65	46.33

e Estimated.

h Tape measurement.

8705-3745-33. Malco Theatre Corp. 418 Frederica St., Owensboro. Drilled unused artesian well in alluvium of Pleistocene and Recent age, diam 6 in, depth 84 ft, screened 62-84. MP floor of recorder shelter, 2.50 ft below lsd. Highest water level 18.90 below lsd, Feb. 8, 1952; lowest 41.64 below lsd, July 30, 1954. Records available: 1951-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	38.55	33.30	26.37	30.92	36.60	35.92	40.18	40.08	40.03	39.17	39.66	39.28
10	38.42	28.23	28.26	27.77	35.80	36.92	40.32	40.79	39.28	39.08	39.62	39.29
15	38.30	27.76	25.36	27.66	36.54	38.86	40.24	39.76	39.58	38.92	.....	40.05
20	38.63	26.06	23.22	29.51	36.69	39.22	40.27	39.93	39.39	39.80	.....	34.93
25	38.59	23.63	23.38	29.55	36.30	38.72	.....	40.03	38.93	39.50	.....	35.85
Eom	39.18	24.12	31.33	.....	38.63	39.71	40.72	.....	38.99	39.57	.....	.....

1957

5	.....	.....	.....	37.77	36.33	38.55	40.38	39.91	39.22	38.50	38.00	37.72
10	.....	.....	.....	28.48	37.80	38.79	40.40	39.86	39.20	38.47	38.27	36.30
15	.....	.....	.....	24.21	38.73	39.81	40.03	39.99	39.27	38.14	37.86	32.05
20	37.10	26.00	36.37	27.40	38.28	39.80	40.25	39.75	39.46	38.46	37.81	35.60
25	.....	.....	37.90	33.00	36.05	39.55	40.06	39.52	38.83	38.25	35.25	32.10
Eom	.....	.....	37.81	35.45	37.30	39.97	39.98	40.06	38.44	37.93	37.57	29.84

1958

5	.....	33.52	36.92	32.15	26.52	37.47	38.36	33.03	35.89	37.24	36.99	37.57
10	35.73	34.54	35.00	31.26	22.79	37.68	38.54	32.31	35.69	37.65	37.31	38.00
15	36.49	33.66	36.42	29.52	22.05	38.46	39.29	35.32	35.77	37.23	37.16	37.88
20	37.00	37.53	37.15	32.54	25.50	37.67	37.52	37.43	35.12	37.05	37.40	37.99
25	36.62	37.93	37.63	36.03	.....	38.48	32.44	37.58	36.04	37.23	37.31	37.70
Eom	31.64	37.60	35.63	33.25	.....	38.53	30.83	38.30	37.25	37.12	37.55	37.27

Edmonson County

8615-3710-1. Mr. Wells. Lat 37°11', long 86°16'. Dug unused water-table well in Cypress sandstone, diam 30 in, depth 23 ft. MP base of metal recorder shelter, 2.00 ft above lsd. Highest water level 0.37 below lsd, Mar. 21, 1955; lowest 12.78 below lsd, Dec. 5, 10, 1956. Records available: 1952-58.

KENTUCKY, FAYETTE COUNTY

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8615-3710-1--Continued.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.80	1.04	1.79	1.79	2.10	5.25	9.48	11.39	12.17	12.55	12.71	12.78
10	5.40	1.66	1.75	1.97	2.50	5.76	10.29	11.64	12.25	12.58	12.73	12.78
15	4.91	.84	1.44	1.58	3.27	6.39	10.63	11.83	12.33	12.62	12.76	12.72
20	1.98	1.37	1.95	2.18	3.72	7.11	10.79	11.88	12.40	12.66	12.75	12.65
25	1.88	.86	2.21	2.36	4.30	7.89	10.93	11.98	12.47	12.67	12.74	12.65
Eom	1.29	1.62	2.47	2.40	4.86	8.66	11.19	12.07	12.54	12.69	12.76	12.66

1957

5	12.66	....	2.04	1.12	3.61	4.79	8.03	....	....	12.62	12.73	2.25
10	12.61	....	1.60	1.59	4.05	5.17	8.67	....	....	12.67	11.90	1.75
15	12.54	1.85	1.63	2.32	4.49	5.65	....	....	....	12.72	10.00	2.07
20	12.53	1.45	2.08	1.87	4.63	6.33	....	....	....	12.75	3.70	1.17
25	....	1.89	1.60	2.28	3.71	6.87	....	....	12.54	12.69	3.23	1.80
Eom	....	1.37	2.12	2.92	4.50	7.39	....	....	12.57	12.72	2.15	2.00

1958

5	2.41	1.61	2.11	2.06	2.24	5.36	8.06	5.86	6.20	5.76	5.60	4.36
10	2.55	2.27	1.49	1.19	....	5.19	8.16	5.91	6.26	5.72	5.52	4.16
15	1.52	2.65	....	2.09	2.87	....	8.23	6.04	6.31	5.69	5.10	4.05
20	2.12	2.86	....	2.55	3.60	6.12	8.27	6.18	6.32	5.67	4.96	3.98
25	1.42	2.39	1.37	1.94	4.25	6.77	7.30	5.98	5.86	5.67	4.84	3.94
Eom	1.50	1.48	1.58	1.97	5.01	7.34	7.51	6.06	5.77	5.60	4.65	3.80

Elliott County

8305-3800-1. Roy Adkins. Lat $38^{\circ}04'$, long $83^{\circ}09'$. Drilled unused water-table well in rocks of Pennsylvanian age, diam 6 in, depth 70 ft. MP base of recorder shelter, 3.00 ft above lsd. Highest water level 20.81 below lsd, Dec. 30, 1954; lowest 46.35 below lsd, Dec. 17-18, 1953. Records available: 1952-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	43.66	....	22.33	22.63	23.75	23.40	22.79	....	25.01	25.74	25.67	25.97
10	43.04	....	22.10	21.80	24.00	23.70	23.19	....	25.20	25.85	25.80	24.30
15	42.40	....	21.94	22.05	23.90	23.85	23.03	....	25.25	25.90	25.90	21.25
20	40.79	....	22.21	22.37	24.00	23.70	23.27	....	25.45	26.00	26.19	23.50
25	....	23.29	22.94	23.24	24.24	21.17	22.96	24.25	25.67	26.10	25.57	21.84
Eom	....	23.21	22.54	23.62	23.30	22.61	22.94	24.67	25.74	25.99	25.64	23.50

1957

5	23.91	22.44	23.17	22.90	24.22	24.54	....	27.75	....	28.05	29.10	21.86
10	22.14	....	22.39	22.09	24.20	24.75	25.90	....	38.35	28.60	....	....
15	23.30	....	23.40	23.52	24.10	24.93	+26.08	....	....	....	....	23.27
20	23.81	....	23.61	23.72	24.07	25.29	26.27	....	....	....	....	21.80
25	22.10	....	23.59	23.80	24.38	25.30	26.55	....	....	23.00	22.51	....
Eom	21.91	....	23.94	23.98	24.49	....	27.42	....	28.99	22.60	22.94	....

1958

5	23.50	22.52	23.06	22.94	21.39	23.68	24.44	23.14	24.08	24.61	25.55	24.85
10	23.73	22.18	23.14	22.66	22.57	24.54	24.44	23.30	24.60	24.65	26.18	....
15	23.76	23.18	22.86	23.28	23.27	....	23.79	23.35	24.63	....	26.24	....
20	23.92	23.72	23.24	22.87	23.55	24.85	24.12	23.86	23.91	....	26.30	....
25	22.03	23.56	22.23	21.60	23.59	24.68	22.66	23.19	24.29	25.35	26.48	....
Eom	23.13	21.96	22.47	22.35	24.10	24.83	22.86	23.70	24.45	25.45	26.15	....

e Estimated.

Fayette County

8435-3755-28. M. A. Kehrt. Lat $37^{\circ}59'$, long $84^{\circ}36'$. Drilled unused water-table well in limestone of Lexington group, diam 6 in, depth 132 ft, reportedly cased to 15. Lsd about 940 ft above msl. MP base of recorder shelter, 1.90 ft above lsd. Highest water level 4.0 below lsd, Mar. 19, 1955; lowest 48.56 below lsd, March 1954. Records available: 1952-58.

8435-3755-28--Continued.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.30	....	11.24	11.91	12.27	13.20	13.35	12.72	13.28	12.97	13.28	....
10	13.33	....	6.72	9.40	12.65	13.14	12.10	12.96	13.49	13.40	13.06	....
15	....	5.20	5.68	10.69	12.70	13.06	13.78	13.10	13.10	13.17	13.07	....
20	....	6.00	7.32	8.31	12.88	13.32	13.54	12.82	13.10	13.06	13.04	9.12
25	....	7.74	9.09	11.16	12.91	12.00	9.56	13.39	13.35	12.98	12.79	7.32
Eom	....	8.44	11.86	12.32	12.90	12.50	10.58	13.10	13.02	13.07	8.60	10.32

1957

5	12.08	7.89	11.71	4.76	12.10	12.13	12.52	13.28	12.92	12.80	12.86	11.90
10	7.15	4.57	10.51	6.86	12.30	12.34	12.80	12.70	....	12.84	13.26	6.39
15	8.46	7.90	9.72	9.00	12.39	12.51	12.65	12.63	....	12.92	12.06	8.85
20	11.60	10.67	11.63	11.47	12.02	12.28	12.94	12.78	....	12.96	6.43	6.70
25	7.22	11.92	12.10	7.73	9.52	11.79	12.88	12.73	....	12.54	9.40	7.90
Eom	7.03	11.83	12.03	10.61	11.56	12.18	12.79	13.14	12.69	12.68	11.39	7.99

1958

5	11.17	8.50	12.00	8.64	....	12.60	13.10	7.68	12.60	12.63	12.77	11.85
10	12.06	7.80	12.28	h7.58	....	11.69	10.77	10.78	12.58	12.67	13.10	12.35
15	12.11	10.30	12.32	8.48	10.00	12.04	11.32	12.18	12.63	13.03	13.22	12.59
20	12.21	12.20	12.10	11.30	11.94	12.35	7.51	12.43	12.53	13.28	12.69	13.56
25	6.17	12.66	11.51	11.40	12.32	12.56	7.25	12.39	13.44	13.00	12.74	12.70
Eom	8.60	11.90	9.30	11.20	12.49	12.42	10.86	12.53	12.60	13.09	12.67	11.99

h Tape measurement.

Floyd County

8245-3740-1. B. M. Thompson, Prestonsburg. Lat 37°40', long 82°46'. Drilled unused water-table well in shale and sandstone of Breathitt formation, diam 6 in, depth 80 ft. MP top of casing, 0.30 ft above lsd. Highest water level 28.86 below lsd, May 8, 1958; lowest 40.43 below lsd, Nov. 2-3, 1954. Records available: 1950-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	40.16	38.30	....	....	32.94	35.60	36.65	36.52	37.65	38.21	38.56	38.85
10	40.16	38.09	....	33.75	33.86	35.99	36.87	36.95	37.60	38.31	38.72	38.93
15	40.18	38.32	....	32.93	34.44	36.30	37.00	37.20	37.74	38.37	38.69	38.15
20	40.26	....	h33.60	31.71	34.94	36.50	36.51	36.87	37.92	38.49	38.75	38.23
25	40.22	....	....	32.83	35.39	36.15	36.44	37.26	38.11	38.60	38.66	37.60
Eom	39.75	....	....	33.64	35.59	36.50	36.10	37.53	38.09	38.62	38.75	37.85

1957

5	38.03	....	32.00	33.74	34.44	36.15	....	37.85	38.60	39.88	39.26	39.04
10	36.81	29.54	32.23	32.30	34.80	36.26	....	37.96	38.78	39.98	39.34	38.17
15	36.77	31.30	32.76	33.30	35.12	36.50	37.28	38.11	38.80	40.07	39.36	38.43
20	37.16	....	33.34	33.83	35.38	36.50	37.46	38.21	38.74	40.15	38.93	38.45
25	36.43	....	33.45	33.63	35.62	36.64	37.57	38.34	38.85	40.17	38.95	38.24
Eom	....	32.34	33.85	33.97	35.96	36.75	37.71	38.48	38.92	40.21	38.97	37.98

1958

5	38.16	37.18	36.50	35.45	33.40	33.16	36.01	35.77	36.45	37.53	38.20	38.57
10	....	36.60	36.67	34.86	30.52	34.53	36.08	36.13	36.72	37.69	38.34	38.58
15	38.30	36.88	36.40	35.23	31.47	34.85	36.23	35.90	36.94	37.82	38.43	38.66
20	38.16	37.13	36.43	35.53	32.43	35.05	36.06	36.03	37.11	37.94	38.50	38.76
25	37.80	37.17	36.43	34.99	33.17	35.39	36.09	36.36	37.24	38.04	38.56	38.83
Eom	37.61	36.39	35.64	33.05	33.59	35.73	36.10	36.07	37.40	38.20	38.57	38.36

h Tape measurement.

Franklin County

8455-3815-3. Alvin Rodgers. Lat 38°16', long 84°57'. Dug unused water-table well in shale and limestone of Eden formation, diam 36 in, depth 22 ft. Lsd about 880 ft above msl. MP base of recorder shelter, 0.50 ft above lsd. Highest water level 8.40 below lsd, May 10, 1958; lowest 19.75 below lsd, Nov. 20, 1953. Records available: 1953-58.

KENTUCKY, GRAVES COUNTY

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8455-3815-3--Continued.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.18	16.80	....	12.89	12.89	14.36	15.05	15.45	15.48	15.88	16.32	16.72
10	18.16	16.58	12.80	12.87	12.98	14.56	15.17	15.49	15.59	15.96	16.41	16.77
15	18.25	15.62	12.61	12.64	13.20	14.79	15.30	15.51	15.61	16.05	16.49	16.66
20	18.19	....	12.09	12.59	13.49	15.00	15.39	15.32	15.67	16.11	16.57	16.63
25	18.14	....	12.44	12.87	13.81	14.89	15.45	15.37	15.75	16.18	16.62	16.53
Eom	17.77	....	12.70	13.06	14.11	14.93	15.52	15.42	....	16.28	16.68	16.55
1957												
5	16.31	14.93	12.53	10.49	11.38	11.64	12.63	13.78	14.90	15.75	16.34	15.32
10	16.30	14.43	11.82	10.10	11.81	12.03	12.80	13.98	15.03	15.87	16.30	15.32
15	....	12.97	11.14	10.68	12.18	12.40	12.98	14.16	15.18	16.00	16.16	....
20	16.30	12.72	11.28	11.13	12.36	12.61	13.20	14.34	15.35	16.10	15.36	13.50
25	15.65	12.75	11.57	10.80	11.77	12.80	13.41	14.52	15.49	16.15	15.34	13.10
Eom	15.43	12.64	12.05	10.95	11.43	12.60	13.61	14.73	15.61	16.22	15.33	12.50
1958												
5	12.45	11.13	11.76	9.79	....	11.79	13.18	11.26	13.17	14.74	15.73	16.17
10	12.36	10.60	11.78	9.13	8.41	12.09	13.32	11.33	13.52	14.94	15.82	16.30
15	12.43	10.83	11.57	9.14	9.19	....	13.46	11.50	13.89	15.18	15.92	16.10
20	12.53	11.35	11.02	....	9.91	12.55	13.44	11.90	14.20	15.33	16.01	16.11
25	11.64	11.65	10.31	....	10.61	12.75	13.09	12.30	14.30	15.46	16.11	16.19
Eom	11.42	11.58	....	....	11.36	12.97	12.03	12.74	14.52	15.64	16.21	16.30

h Tape measurement.

Fulton County

8850-3630-1. Fulton Waterworks. Norman and Water Sts., Fulton. Lat 36°30', long 88°52'. Drilled unused artesian well in sand of Grenada formation, diam 8 in, depth 130 ft. Lsd 363.24 ft above msl. MP base of recorder shelter, 1.00 ft above lsd. Highest water level 3.60 below lsd, Apr. 11, 1951; lowest 13.58 below lsd, Nov. 21, 1947. Records available: 1945, 1947, 1950-58.

Highest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.16	....	6.87	7.27	7.16	7.78	8.79	8.90	9.47	9.35	9.41	9.43
10	8.04	....	7.23	6.98	7.37	8.15	8.74	9.09	9.22	9.45	9.44	9.50
15	7.99	....	7.14	6.47	7.39	8.13	8.61	9.29	9.39	9.31	9.37	....
20	8.43	....	7.44	7.07	7.19	8.25	8.77	9.22	9.38	9.52	9.42	9.25
25	8.35	6.38	6.95	7.10	7.63	8.39	8.66	9.08	9.35	9.44	9.18	9.24
Eom	8.15	6.88	7.26	7.16	7.69	8.63	8.67	9.19	9.34	9.40	9.29	9.01
1957												
5	9.42	8.04	7.77	7.21	7.60	....	....	....	8.12	8.23	7.84	6.82
10	9.59	7.70	7.54	7.46	7.82	....	....	....	8.05	8.37	7.52	6.56
15	9.46	7.92	8.08	7.54	7.52	6.42	....	8.21	8.09	8.23	6.50	6.34
20	9.13	7.81	7.90	7.51	7.27	....	7.64	7.80	8.11	8.40	6.28	5.33
25	8.69	7.30	7.94	7.21	6.90	....	7.66	7.73	8.12	7.91	6.31	5.64
Eom	8.01	7.68	7.78	7.44	h7.35	....	7.82	8.23	7.97	7.75	6.62	5.76
1958												
5	5.97	5.79	6.28	4.95	4.79	6.28	6.79	6.76	7.64	6.98	6.90	6.20
10	6.22	5.98	5.83	5.45	4.41	6.18	6.59	6.86	7.74	7.13	7.07	6.57
15	6.13	6.11	5.58	5.44	4.88	6.08	6.65	7.35	7.63	7.02	6.56	6.90
20	5.37	6.50	5.57	5.24	5.29	6.38	6.56	7.28	6.82	6.80	6.57	6.65
25	5.43	6.17	4.92	5.36	5.39	6.63	6.45	7.26	7.09	6.96	6.52	6.72
Eom	5.70	6.29	5.19	5.14	5.70	6.82	6.79	7.32	6.97	6.92	6.56	6.52

h Tape measurement.

Graves County

8830-3650-55. Artell Holshouser. Lat 36°54', long 88°30'. Dug unused water-table well in sand and gravel of Pliocene (?) age, diam 24 in, depth 36 ft. Lsd about 392 ft above msl. MP base of recorder shelter, 2.50 ft above lsd. Highest water level 29.57 below lsd, Apr. 9, 1951; lowest 31.89 below lsd, Oct. 15, 19-20, 23-24, 1956. Records available: 1950-58. Measurement discontinued.

8830-3650-55--Continued.

Day	Water level at noon, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	31.31	30.95	.....	30.90	30.93	31.06	31.38	31.52	31.70	31.86	31.86	31.76
10	31.36	30.89	.....	30.97	31.01	31.16	31.43	31.56	31.73	31.88	31.86	31.73
15	31.36	.....	.....	30.67	31.03	31.23	31.44	31.60	31.76	31.89	31.82	31.65
20	31.38	30.62	.....	30.74	31.00	31.25	31.44	31.63	31.80	31.89	31.77	31.64
25	31.38	30.57	30.77	30.79	31.12	31.32	31.43	31.62	31.79	31.88	31.75	31.55
Eom	31.16	30.88	30.92	31.01	31.32	31.49	31.66	31.82	.....	31.74	31.54	31.54

1957

Day	Water level at noon, from recorder graph, 1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	31.59	30.99	30.70	30.67	30.86	.....	31.12	31.30	31.45	31.59	31.47	.....
10	31.59	30.82	30.80	30.63	30.91	.....	31.20	31.34	31.49	31.62	31.35	.....
15	31.54	30.83	30.83	30.75	30.88	.....	31.23	31.36	31.49	31.61	31.00	30.87
20	31.61	30.83	30.82	30.76	30.80	30.92	31.19	31.26	31.52	31.63	.....	30.47
25	31.36	30.81	30.79	30.79	30.53	31.00	31.20	31.31	31.54	31.50	.....	30.49
Eom	31.09	30.65	30.81	30.90	.....	31.07	31.20	.....	31.46	.....	30.53	30.53

1958

Day	Water level at noon, from recorder graph, 1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	30.71	30.59	30.95	30.19	30.30	30.87	31.12	30.85	.....	.....	.....	.....
10	30.77	30.67	30.73	30.42	30.23	.....	30.96	30.97	.....	.....	.....	.....
15	30.72	30.73	30.55	30.50	30.35	.....	30.92	.....	.....	.....	.....	.....
20	30.72	30.87	30.45	30.58	30.50	30.92	30.79	.....	.....	.....	.....	.....
25	30.46	30.83	30.24	30.69	30.64	30.98	30.66	.....	.....	.....	.....	.....
Eom	30.47	30.86	30.25	30.58	30.73	31.06	30.67	.....	.....	.....	.....	.....

8835-3650-17. J. Whittemore. Lat 36°52', long 88°39'. Drilled unused artesian well in Holly Springs sand, diam 10 in, depth 106 ft, screened 83-105. Lsd 405.65 ft above msl. MP top of casing, 0.34 ft above lsd. Highest water level 14.06 below lsd, Mar. 23, 1951; lowest 19.24 below lsd, Jan. 10, 1957. Records available: 1951-58.

Day	Water level at noon, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.26	17.37	16.47	16.79	16.79	17.26	17.80	18.09	18.40	18.84	19.00	18.80
10	18.40	17.09	16.57	16.68	16.93	17.41	17.97	18.28	18.44	19.02	18.83	18.85
15	18.17	17.18	16.70	16.16	16.95	17.43	17.92	18.30	18.38	18.89	18.69	18.80
20	18.44	16.86	16.74	16.75	16.90	17.44	17.97	18.40	18.74	18.88	18.81	18.70
25	18.53	16.31	16.53	16.58	17.13	17.67	17.96	18.40	18.69	18.90	18.57	18.90
Eom	18.59	16.44	16.67	16.97	17.02	17.66	18.10	18.37	18.80	18.69	18.88	18.73

1957

Day	Water level at noon, from recorder graph, 1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.92	16.74	16.44	15.97	16.77	15.43	16.95	16.99	17.65	18.12	18.17	16.08
10	19.17	.....	16.80	16.17	16.68	15.54	17.25	17.01	17.80	18.22	18.06	15.34
15	18.80	16.86	.....	16.38	16.76	15.99	.....	17.19	17.63	18.10	16.40	15.87
20	18.88	17.01	.....	16.26	16.43	16.21	16.99	17.28	17.74	18.38	15.69	14.79
25	18.34	16.40	.....	16.26	15.37	.....	16.73	17.23	17.94	18.19	15.74	14.97
Eom	17.49	16.39	16.73	16.42	15.50	16.69	16.66	17.53	17.95	18.05	16.12	15.21

1958

Day	Water level at noon, from recorder graph, 1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	15.99	15.49	16.38	14.33	.....	15.97	16.53	.....	16.92	17.27	17.45	17.62
10	15.73	15.82	15.97	15.02	.....	15.87	.....	.....	16.97	17.58	17.81	17.73
15	15.72	15.79	15.74	15.28	14.99	15.90	.....	16.24	17.05	17.56	17.54	17.74
20	15.77	16.38	15.54	15.25	15.21	16.07	.....	16.46	17.03	17.43	17.65	17.79
25	15.11	16.00	14.80	15.71	15.40	16.32	.....	16.56	17.21	17.62	17.36	17.82
Eom	15.00	15.95	14.88	15.45	15.55	16.48	h15.52	16.82	17.19	17.69	17.82	17.55

h Tape measurement.

Harlan County

8315-3650-2. J. D. White. Lat 36°51', long 83°19'. Drilled unused water-table well in Hance formation of Pennsylvanian age, diam 6 in, depth 101 ft, cased to 22. MP top of casing, 0.50 ft above lsd. Highest water level 20.14 below lsd, May 8, 1958; lowest 32.29 below lsd, Oct. 17, 1951. Records available: 1951-58.

8315-3650-2--Continued.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	31.29	31.19	28.29	25.99	26.12	27.49	27.37	27.68	28.05	28.35	29.40	29.70
10	31.27	30.94	27.80	25.50	26.18	27.51	27.83	27.81	27.86	28.71	29.35	29.85
15	31.24	30.69	27.06	25.44	26.05	27.55	27.90	27.80	27.55	28.73	29.45	29.43
20	31.49	e30.00	26.46	25.36	26.63	27.53	27.66	27.91	27.73	28.85	29.49	29.35
25	31.51	29.12	26.25	25.68	27.27	27.45	27.54	27.90	27.80	29.18	29.16	28.92
Eom	31.66	29.24	26.00	26.09	27.25	27.56	27.61	27.89	28.13	28.94	29.52	28.54

1957

5	28.54	24.42	25.37	25.92	26.19	26.70	.....	28.39	29.42	30.07	30.38	29.42
10	28.45	23.99	25.75	24.96	26.25	26.79	.....	28.37	29.70	30.15	30.74	28.03
15	27.56	23.90	25.88	24.76	26.27	27.05	27.59	28.64	29.57	30.15	30.33	28.25
20	27.31	24.66	25.94	25.05	26.37	27.20	27.75	28.95	29.70	30.45	29.91	27.22
25	27.00	24.55	25.93	25.35	26.83	27.35	27.99	28.91	29.89	30.16	29.54	27.10
Eom	25.05	24.70	26.77	25.50	26.90	27.20	28.11	29.28	29.90	30.25	29.42	26.55

1958

5	26.90	.....	25.09	23.85	21.30	24.83	26.46	.....	27.90	28.48	29.33	29.80
10	.....	.....	23.34	20.30	25.04	26.69	.....	27.93	28.72	29.70	30.15	30.25
15	26.04	h24.55	24.64	23.54	21.70	21.70	26.95	27.79	28.09	28.82	29.57	30.29
20	26.25	25.40	24.27	23.70	22.83	.....	26.99	27.73	28.20	28.90	29.85	30.27
25	25.96	25.06	24.06	23.35	23.48	.....	27.15	27.63	28.38	29.07	29.90	30.37
Eom	25.65	25.03	23.89	21.54	24.22	.....	27.42	27.82	28.47	29.35	30.25	30.03

e Estimated.

h Tape measurement.

Henderson County

8720-3745-34. Isidore Varble. Lat $37^{\circ}49'$, long $87^{\circ}22'$. Driven unused water-table well in alluvium of Pleistocene and Recent age, diam $1\frac{1}{4}$ in, depth 37 ft, perforated 35-37. MP top of drive pipe, 1.92 ft above lsd. Highest water level 14.39 below lsd, Mar. 31, 1952; lowest 23.23 below lsd, Dec. 30, 1954. Records available: 1951-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1, 1956	22.84	Sept. 29, 1956	22.18	June 21, 1957	20.33	May 1, 1958	20.40
Mar. 6	18.79	Oct. 25	22.34	July 26	21.28	June 4	19.83
30	18.43	Dec. 4	22.57	Sept. 6	21.81	July 5	20.62
May 4	19.86	Jan. 13, 1957	22.63	Oct. 8	22.06	Sept. 9	20.75
June 7	20.64	Feb. 13	21.03	Nov. 7	22.22	25	20.93
July 7	21.19	Mar. 27	21.36	Dec. 19	21.20	Oct. 27	21.18
Aug. 4	21.52	Apr. 22	18.98	Jan. 25, 1958	21.05	Nov. 27	21.40
Sept. 5	21.86	May 16	20.81	Mar. 28	20.88	Dec. 26	21.46

8720-3750-160. U. S. Army, Corps of Engineers. Lat $37^{\circ}52'$, long $87^{\circ}24'$. Drilled unused water-table well in alluvium of Pleistocene and Recent age, diam 16 in, depth 57 ft, cased to 45. Lsd 372 ft above msl. MP marked point near top of casing, 3.00 ft above lsd. Highest water level 15.58 below lsd, Aug. 10, 1958; lowest 17.97 below lsd, Dec. 20, 1958. Records available: 1958. Recording gage installed Aug. 15, 1958.

Water level at noon, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.82	17.23	17.44	17.73
10	h15.88	16.92	17.36	17.87	17.66
15	16.13	17.02	17.30	17.57	17.67
20	16.39	16.97	17.34	17.60	17.88
25	16.65	17.04	17.47	17.46	17.89
Eom	16.71	17.15	17.40	17.68	.....

h Tape measurement.

8730-3745-221. R. R. Roberts. Lat $37^{\circ}46'$, long $87^{\circ}34'$. Drilled unused artesian well in Anvil Rock sandstone member of Lisman formation, diam 5 in, depth 106 ft, cased to 20. Lsd 433 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 30.41 below lsd, May 4, 1951; lowest 38.55 below lsd, Jan. 31, 1956. Records available: 1949-58. Recording gage removed Mar. 18, 1957.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

8730-3745-221--Continued.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	37.79	38.01	37.44	37.15	36.92	36.63	36.60	36.63	36.90	37.34	37.67	....
10	.....	.....	37.57	37.02	36.92	36.71	36.68	36.80	37.90	37.58	37.60	37.71
15	.....	.....	37.63	36.62	36.61	36.57	36.55	36.80	36.75	37.38	37.55	37.80
20	.....	.....	37.75	37.43	36.94	36.43	36.61	36.87	37.23	37.39	37.64	37.75
25	.....	.....	37.38	37.08	36.98	36.53	36.56	37.01	37.20	37.42	....	38.15
Eom	38.53	.....	37.30	37.28	36.52	36.54	36.72	....	37.27	37.26	....	38.01

	Date	Water level		Date	Water level		Date	Water level		Date	Water level
Jan.	2, 1957	38.39		Feb. 28, 1957	38.07		Sept. 5, 1957	36.90		June 5, 1958	34.16
	31	38.13		Mar. 5	38.10		Oct. 8	37.23		July 3	34.34
Feb.	5	38.33		10	38.21		Nov. 8	37.15		Sept. 3	34.29
	10	38.27		18	37.95		Dec. 18	36.38		26	34.41
	15	38.19		Apr. 18	37.75		Jan. 25, 1958	35.47		Oct. 27	34.77
	20	38.38		June 20	36.84		Mar. 12	35.43		Nov. 26	35.07
	25	37.77		July 25	36.80		Apr. 28	34.35			

8730-3750-143. Audie Wilson. Lat 37°52' long 87°34'. Drilled unused artesian well in sandstone and shale of Carbondale formation, diam 6 in, depth 109 ft, cased to 57. Lsd 385 ft above msl. MP floor of recorder shelter, 0.69 ft above lsd. Highest water level 27.12 below lsd, Mar. 7, 1950; lowest 43.83 below lsd, Dec. 28, 1954. Records available: 1949-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	42.00	42.06	....	34.26	33.61	34.91	36.14	37.44	38.38	39.34	40.17	40.71
10	42.03	41.67	38.19	34.00	33.79	35.11	36.39	37.66	38.54	39.50	40.27	40.80
15	42.08	41.73	37.25	33.81	34.02	35.29	36.60	37.78	38.69	38.63	40.37	40.87
20	42.13	....	36.50	33.72	34.28	35.48	36.82	37.92	38.87	39.77	40.47	40.85
25	42.18	....	35.67	33.53	34.50	35.67	37.03	38.08	39.03	39.90	e40.56	e40.81
Eom	42.23	....	34.78	33.54	34.73	35.89	37.27	e38.23	39.19	40.04	40.64	e40.76

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	e40.72	40.34	37.61	37.73	35.67	36.32	37.26	38.27	39.23	39.95	40.47	40.31
10	e40.68	40.10	37.44	....	35.64	36.47	37.45	38.44	39.36	40.05	40.55	40.19
15	e40.64	39.68	37.48	37.50	35.87	36.62	37.63	38.58	39.47	40.12	40.51	40.06
20	40.61	39.03	37.47	37.07	36.01	36.69	37.76	38.76	39.59	40.24	40.47	39.99
25	40.61	38.33	37.52	36.48	36.04	36.88	37.92	38.89	39.69	40.31	40.34	39.64
Eom	40.45	38.00	37.64	35.91	36.23	37.09	38.10	39.08	39.83	40.40	40.38	39.32

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	38.96	....	37.85	37.61	36.62	33.63	35.10	35.32	35.33	36.64	37.67	38.49
10	38.65	37.95	37.87	37.56	36.29	33.89	35.35	35.03	35.58	36.84	37.86	38.56
15	....	37.80	37.87	37.40	35.71	34.11	35.55	34.85	35.78	37.01	37.98	38.65
20	....	37.77	37.82	37.24	34.84	34.42	35.67	34.76	36.00	37.17	38.11	38.75
25	....	37.73	37.83	37.06	33.98	34.69	35.64	34.85	36.23	37.39	38.24	....
Eom	....	37.77	37.80	36.85	33.47	34.91	35.51	35.07	36.43	37.55	38.39	38.88

e Estimated.

8735-3745-1. Harold K. Wright. Lat 37°48', long 87°38'. Drilled unused artesian well in alluvium of Pleistocene and Recent age, diam 4 in, depth 54 ft, cased to 48. Lsd 385 ft above msl. MP top of casing, 2.58 ft below lsd. Highest water level 10.80 below lsd, Feb. 24, 1950; lowest 29.29 below lsd, Dec. 28, 1955. Records available: 1949-58. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4, 1956	26.27	Sept. 27, 1956	23.19	June 20, 1957	16.73	Mar. 12, 1958	14.91
Mar. 9	20.59	Oct. 25	b25.65	July 25	18.41	Apr. 28	14.27
29	18.73	Dec. 4	26.39	Sept. 5	21.49	June 4	14.96
Apr. 2	17.45	Jan. 13, 1957	26.82	Oct. 8	21.99	July 2	19.19
June 2	17.33	Feb. 13	22.75	Nov. 8	20.49	Sept. 3	18.42
July 2	18.02	Mar. 27	20.90	Dec. 18	16.16	Oct. 26	18.35
Aug. 3	16.49	Apr. 22	18.24	Jan. 25, 1958	14.65	Oct. 27	18.34
Sept. 4	21.39	May 16	18.44				

b Well pumped recently.

Hopkins County

8735-3720-11. R. K. Brooks. Lat 37°24', long 87°37'. Drilled unused artesian well in Lisman formation, diam 6 in, depth 50 ft. Lsd about 425 ft above msl. MP floor of recorder shelter, 2.00 ft above lsd. Highest water level 1.06 below lsd, May 18, 1953; lowest 16.48 below lsd, Dec. 26, 1952. Records available: 1952-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	10.14	6.97	6.86	8.34	8.73	9.13	9.43	9.34	9.12	9.46	9.76	9.94
10	10.26	6.95	7.29	8.47	8.81	9.22	9.45	9.35	9.18	9.59	9.81	9.97
15	10.32	6.36	6.92	7.71	8.80	9.29	9.39	9.29	9.16	9.64	9.81	9.96
20	10.34	6.09	6.75	8.13	8.95	9.31	9.43	9.22	9.28	9.66	9.88	9.95
25	10.44	5.98	7.52	8.49	9.06	9.37	9.34	9.20	9.36	9.67	9.84	9.33
Eom	9.20	6.91	8.13	8.64	9.07	9.41	9.38	9.15	9.45	9.71	9.87	9.30

1957

5	9.39	5.13	5.64	5.80	7.00	5.97	7.41	7.35	8.31	e9.07	e9.47	....
10	9.29	4.88	5.75	6.03	7.23	6.53	7.55	7.42	8.49	9.16	9.48	5.39
15	8.47	....	5.79	6.50	7.35	....	7.60	7.49	8.57	9.24	5.87	5.83
20	8.62	5.84	6.34	5.84	7.43	7.03	7.72	7.69	8.70	9.33	....	....
25	5.72	6.01	5.76	6.02	5.90	7.21	7.68	7.81	8.87	9.27	....	....
Eom	5.59	5.02	6.14	6.02	5.86	7.28	7.30	....	8.99	9.36	....	....

1958

5	....	5.37	....	....	....	6.45	7.32	6.65	8.15	9.05	9.40	9.53
10	5.56	5.54	....	....	....	6.37	7.43	6.78	8.36	9.08	9.49	9.61
15	5.03	5.51	....	....	....	....	7.53	6.94	8.59	9.25	9.50	9.61
20	5.57	....	....	....	....	....	7.25	7.12	8.65	9.27	9.53	9.57
25	5.03	....	....	....	....	....	5.76	7.41	8.81	9.30	9.60	9.61
Eom	5.16	....	....	5.13	....	....	6.31	7.81	8.93	9.42	9.67	9.62

e Estimated.

Jefferson County

41-16-3. Louisville Water Co. River Rd. and Zorn Ave. Drilled observation water-table well in glacial sand and gravel, diam 4 in, depth 104 ft, screened 98-100. Lsd 435.79 ft above msl. MP top of coupling, 0.91 ft above lsd. Highest water level 1.21 above lsd, Apr. 23, 1948; lowest 19.61 below lsd, Feb. 13, 1948. Records available: 1946-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.37	15.03	11.52	13.18	15.21	15.59	....	16.11	16.27	16.38	16.38	16.42
10	16.39	13.50	12.04	13.40	15.39	15.51	15.91	16.42	16.32	16.49	16.31	16.26
15	16.32	13.84	9.66	13.81	15.50	15.76	16.02	16.09	16.34	16.42	16.37	16.58
20	16.48	10.63	4.36	14.13	15.54	....	16.09	16.09	16.24	16.44	16.38	15.85
25	16.60	7.18	....	14.53	15.60	....	16.07	16.34	16.19	16.49	16.46	....
Eom	16.33	9.13	12.77	15.11	15.77	....	16.25	16.33	16.28	16.38	16.36	16.21

1957

5	....	12.57	15.06	15.15	14.67	15.25	15.70	16.19	16.59	16.52	16.40	15.96
10	....	12.92	15.03	11.99	14.90	15.39	15.81	16.26	16.54	16.52	16.19	....
15	....	9.87	15.19	8.29	15.22	15.32	15.98	16.27	16.46	16.57	16.07	....
20	....	13.03	15.34	....	15.38	15.57	16.05	16.33	16.56	16.59	15.68	....
25	....	14.05	15.56	....	15.01	15.49	16.17	16.46	16.52	16.40	15.47	....
Eom	15.70	14.57	15.83	14.26	15.07	15.62	16.10	16.57	16.55	16.40	15.65	....

1958

5	15.27	15.59	16.14	15.27	12.56	14.75	15.94	14.97	15.89	16.01	16.29	16.11
10	15.60	15.73	16.01	15.16	6.99	15.13	15.96	k14.9	15.92	16.19	16.20	16.21
15	15.62	15.77	15.94	14.96	....	15.33	16.00	k15.1	16.01	16.28	16.29	16.46
20	15.77	....	k15.89	15.14	10.93	15.42	15.77	k15.4	16.10	16.28	16.14	16.55
25	15.56	....	k15.79	15.49	13.31	15.54	15.21	15.64	16.14	16.30	16.17	16.62
Eom	15.25	16.34	k15.68	14.94	14.29	15.83	15.01	15.74	15.84	16.30	16.34	16.71

k Interpolated.

45-15-36. Kentucky Hotel. 5th and Walnut Sts., Louisville. Drilled unused water-table well in glacial sand and gravel, diam 10 in, depth 104 ft, screened 84-104. Lsd 460 ft above msl. MP top of recorder floor, 22.86 ft below lsd. Highest water level 70.09 below lsd, Apr. 7, 1952; lowest 87.74 below lsd, Sept. 23, 1955 (previously reported as 87.82 below lsd, Aug. 19, 1955). Records available: 1948-58.

Day	Water level at noon, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	77.42	76.11	75.30	75.18	76.32	78.72	82.67	.....	85.66	84.01	82.26	e79.31
10	77.14	76.02	75.42	75.00	76.65	79.53	82.89	85.06	85.11	83.20	81.44	e79.11
15	76.94	75.94	75.29	75.08	77.76	80.64	83.16	85.56	85.65	82.87	80.98	e78.96
20	76.71	75.72	75.11	74.96	77.56	81.35	83.68	85.48	85.04	83.32	80.36	78.72
25	76.46	75.75	74.94	74.90	78.01	81.68	83.87	85.51	84.27	83.15	79.70	78.62
Eom	76.29	75.49	75.04	75.95	78.79	82.56	.....	85.76	83.96	82.62	e79.51	78.11
1957												
5	77.96	76.59	75.84	75.53	.....	81.32	83.60	85.28	86.28	84.48	80.95	78.89
10	77.66	76.53	75.74	75.53	.....	81.31	83.90	85.58	85.96	84.06	80.46	78.62
15	77.46	76.29	75.90	75.23	.....	82.62	84.01	85.73	86.32	83.13	80.13	78.32
20	77.26	76.20	75.75	76.01	.....	82.98	84.66	85.90	86.32	82.74	79.94	78.35
25	76.96	76.05	75.51	77.80	.....	83.23	84.83	85.95	85.75	82.26	79.53	.....
Eom	76.72	76.06	75.55	.....	80.61	83.52	85.06	86.14	84.88	81.34	79.23	.....
1958												
5	77.41	75.86	75.00	74.29	76.15	78.81	81.16	83.14	83.98	82.23	79.50	77.64
10	77.10	75.67	74.84	74.24	.....	79.63	81.59	83.33	83.99	82.40	79.07	77.18
15	76.83	75.53	74.69	.....	.....	80.31	82.00	83.96	83.72	81.78	79.20	76.81
20	76.58	75.38	74.55	.....	.....	80.58	82.32	83.76	83.87	81.67	79.35	76.64
25	76.40	76.23	74.33	.....	.....	80.67	82.84	84.21	83.83	81.23	79.58	76.30
Eom	76.07	75.20	h74.21	.....	78.14	80.89	82.98	84.04	83.31	80.13	78.10	75.98

e Estimated.

h Tape measurement.

46-14-28. American Tobacco Co. 17th St. and Broadway, Louisville. Drilled unused water-table well in glacial sand and gravel, diam 12 in, depth 113 ft, screened 93-113. Lsd 456.09 ft above msl. MP top of concrete base, at lsd. Highest water level 70.38 below lsd, Apr. 10, 1952; lowest 80.23 below lsd, Nov. 23, 1955. Records available: 1945, 1950-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1956	79.43	Sept. 19, 1956	79.70	July 23, 1957	78.70	May 22, 1958	79.72
Apr. 12	79.84	Dec. 6	79.68	Sept. 12	78.83	July 22	78.54
June 6	80.06	Jan. 9, 1957	79.84	Feb. 6, 1958	79.02	Oct. 16	78.88
Aug. 1	79.11	Apr. 5	79.44	Apr. 4	79.60		

47-12-4. Joseph E. Seagram & Sons Co. 7th Street Rd. at Wathens Lane. Drilled observation water-table well in glacial sand and gravel, diam 6 in, depth 103 ft. Lsd 458.64 ft above msl. MP top of wooden brace at base of recorder, 3.10 ft above lsd. Highest water level 55.53 below lsd, Apr. 6, 1953; lowest 88.37 below lsd, Mar. 9, 1944. Records available: 1943-58.

Day	Water level at noon, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	67.56	65.93	67.84	68.30	68.72	67.70	67.08	63.96	66.30	66.43	62.27	61.52
10	67.30	68.25	68.45	67.96	68.87	66.12	67.23	66.07	66.48	66.33	62.10	61.41
15	66.12	68.18	68.02	66.73	67.88	67.72	65.02	66.58	65.60	64.00	63.70	61.73
20	68.13	67.31	68.26	68.41	66.93	68.06	63.82	66.50	66.67	63.21	62.12	61.19
25	68.22	67.98	67.18	68.65	63.21	67.21	63.27	66.03	66.21	62.80	61.90	61.34
Eom	67.91	68.42	66.44	68.21	67.80	66.79	63.15	66.92	65.03	62.44	61.65	61.26
1957												
5	61.52	66.63	67.76	67.97	67.42	68.73	68.20	67.47	63.74	68.95	63.59	62.54
10	64.75	66.07	66.82	67.76	68.82	68.70	67.12	67.50	63.74	68.75	63.39	62.41
15	65.05	67.31	67.95	67.51	.....	67.80	65.30	68.32	.....	.....	63.17	62.34
20	64.77	67.15	67.82	67.32	68.15	68.36	64.40	68.15	68.47	.....	63.02	62.20
25	66.42	67.39	67.34	67.93	68.88	68.20	63.90	66.90	68.64	.....	62.86	62.12
Eom	66.75	67.73	67.24	67.82	68.75	66.89	66.86	68.16	68.70	63.85	62.70	62.02
1958												
5	62.11	.....	66.70	65.42	.....	66.88	.....	65.17	65.53	65.65	65.35	64.70
10	65.39	65.97	66.35	67.21	.....	66.48	.....	64.95	65.85	66.14	64.75	65.54
15	66.18	65.70	66.76	66.81	.....	65.40	.....	65.95	65.67	65.89	65.64	66.11
20	66.25	66.70	67.14	65.45	.....	67.01	.....	65.58	64.85	65.57	65.54	66.09
25	66.79	66.37	66.65	67.19	.....	.....	67.02	65.52	66.06	64.69	66.14	65.13
Eom	66.80	66.85	66.42	66.72	65.44	66.24	64.25	64.70	65.68	65.76	65.70	65.94

50-10-2. Rubber Reserve Co. Rockford Lane, west of Mills Creek. Drilled observation water-table well in glacial sand and gravel, diam 6 in, depth 94 ft, screened 90-92. Lsd 442.96 ft above msl. MP top of coupling, 3.95 ft above lsd. Highest water level 23.17 below lsd, May 10, 1952; lowest 31.55 below lsd, Apr. 2, 1957. Records available: 1945-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	31.02	.....	30.81	30.50	30.36	30.33	30.44	30.58	30.69	30.80	30.92	31.09
10	31.05	31.08	30.76	30.49	30.36	30.34	30.47	30.60	30.70	30.81	30.95	31.10
15	31.05	31.10	30.71	30.46	30.28	30.36	30.49	30.62	30.72	30.82	30.98	31.13
20	31.07	30.95	30.66	30.43	30.31	30.38	30.53	30.62	30.74	30.85	31.00	31.14
25	31.11	31.01	30.62	30.38	30.33	30.41	30.55	30.64	30.75	30.86	31.03	31.15
Eom	31.12	30.86	30.54	30.39	30.32	30.42	30.57	30.68	30.78	30.89	31.07	31.19

1957

5	31.21	31.35	31.46	31.52	31.51	31.41	31.26	31.12	31.12	31.21	31.36	31.13
10	31.24	31.37	31.46	.....	31.51	31.41	31.24	31.10	31.13	31.24	31.36	31.10
15	31.26	31.38	31.48	.....	31.53	31.42	31.20	31.10	31.14	31.26	31.28	31.07
20	31.30	31.41	31.49	.....	31.54	31.40	31.18	31.10	31.16	31.29	31.14	31.06
25	31.32	31.42	31.52	.....	31.45	31.38	31.16	31.10	31.17	31.31	31.12	.....
Eom	31.34	31.43	31.52	31.49	31.42	31.33	31.14	31.11	31.19	31.33	31.14	.....

1958

5	k30.97	30.86	30.76	30.61	30.34	29.93	29.75	29.58	29.43	29.34	29.37	29.49
10	k30.96	30.84	30.75	30.59	30.27	29.89	29.72	29.55	29.42	29.34	29.41	29.51
15	k30.95	30.87	30.73	30.55	30.19	29.86	29.70	29.52	k29.41	29.33	29.40	29.54
20	30.90	30.85	30.70	30.50	30.12	29.82	29.67	29.49	k29.39	29.33	29.42	29.58
25	30.88	30.81	30.70	30.48	30.06	29.79	29.64	29.47	k29.37	29.34	29.41	29.60
Eom	.....	30.82	30.66	30.39	29.99	29.77	29.60	29.45	29.35	29.37	29.47	29.61

k Interpolated.

50-13-9. National Carbide Corp. Bell's Lane. Drilled unused water-table well in glacial sand and gravel, diam 12 in, depth 109 ft. Lsd 450.29 ft above msl. MP bottom of 1½-in pipe in side of pump base, 1.60 ft above lsd. Highest water level 57.82 below lsd, May 3, 1948; lowest 84.92 below lsd, Oct. 24, 1957. Records available: 1946-48, 1954-58. Recording gage installed July 20, 1956.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 18, 1954	80.60	Apr. 21, 1954	78.90	July 26, 1954	79.11	Jan. 31, 1955	78.97
25	80.32	29	78.82	Aug. 2	79.18	Mar. 1	78.89
Mar. 8	80.10	May 6	78.77	11	79.32	May 20	74.90
11	79.82	19	78.63	26	79.49	Sept. 7	80.23
15	79.71	June 4	78.52	Oct. 4	80.15	Nov. 22	82.36
24	79.46	11	78.48	18	80.26	Jan. 26, 1956	81.10
31	79.22	18	78.45	Dec. 17	79.95	Apr. 11	77.52
Apr. 7	79.18	29	78.83	Jan. 10, 1955	79.86	June 6	77.04
14	78.95	July 8	78.93				

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	79.09	79.75	81.49	82.81	83.31
10	79.12	79.76	81.85	83.13	83.20	.....
15	79.21	80.03	82.13	.....	83.32	.....
20	78.53	79.29	80.37	82.31	83.32	83.29	.....
25	78.64	79.40	80.60	82.46	83.37	83.52	.....
Eom	78.88	79.60	82.70	82.70	83.32	83.63	.....

1957

5	83.54	82.52	80.97	80.03	79.01	79.41	80.21	81.68	83.13	84.59	84.66	84.31
10	83.48	82.69	80.75	80.04	78.86	79.59	80.43	81.84	83.55	84.71	84.58	84.15
15	83.21	82.32	80.73	80.13	78.91	79.66	80.62	82.14	83.67	84.73	84.62	83.96
20	83.18	82.05	80.46	80.00	79.15	79.74	80.91	82.41	83.94	84.78	84.65	83.86
25	83.08	81.50	80.28	79.66	79.19	79.88	81.13	82.70	84.18	84.78	84.52	83.35
Eom	82.68	81.26	80.06	79.19	79.37	80.13	81.40	82.94	84.40	84.70	84.64	83.14

1958

5	82.92	81.73	80.76	79.60	78.58	76.00	75.87	76.28	76.13	77.11	78.13	79.47
10	82.87	81.48	80.79	79.42	78.42	75.73	75.95	76.20	76.28	77.41	78.41	79.32
15	82.64	81.34	80.64	79.38	78.09	75.82	76.02	76.08	76.42	77.47	78.58	79.46
20	82.28	81.19	80.35	79.22	77.69	75.85	76.10	76.07	76.53	77.69	78.68	79.36
25	82.13	80.97	80.11	79.19	77.02	75.80	76.21	76.02	76.77	77.89	78.80	80.00
Eom	.....	81.06	79.94	78.86	76.41	75.85	76.27	76.00	76.93	77.96	79.02	80.06

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

51-8-1. Ethel Waller. North of Greenwood School. Dug and driven unused water-table well in glacial sand and gravel, diam 33 in., reported depth 50 ft. Lsd 456.75 ft above msl. MP top of concrete base, 0.30 ft above lsd. Highest water level 39.54 below lsd, Aug. 14, 1951; lowest 47.48 below lsd, Jan. 24, 1953. Records available: 1943-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 6, 1951	41.64	Nov. 4, 1952	40.26	Apr. 15, 1954	44.52	Sept. 12, 1956	46.75
Mar. 27	41.12	Dec. 2	40.59	May 27	45.00	Nov. 30	46.95
May 8	40.38	Jan. 15, 1953	41.00	July 7	45.40	Jan. 8, 1957	47.07
June 5	40.00	Feb. 26	41.47	Aug. 17	45.80	Mar. 20	47.44
July 10	39.62	Apr. 16	41.99	Sept. 30	46.15	July 18	47.34
Aug. 14	39.54	June 2	42.24	Feb. 23, 1955	47.19	Sept. 10	47.28
Oct. 16	39.76	July 7	42.47	May 19	47.24	Oct. 30	47.22
Dec. 5	40.08	Sept. 2	42.73	Aug. 30	47.06	Feb. 4, 1958	47.19
Jan. 23, 1952	40.52	Oct. 6	42.98	Nov. 10	47.22	Apr. 1	47.07
Mar. 10	40.25	Nov. 10	43.16	Jan. 24, 1956	47.48	May 21	46.76
May 20	39.83	Dec. 10	43.40	Apr. 4	47.33	July 29	46.34
July 15	39.74	Jan. 26, 1954	43.80	May 31	47.09	Oct. 13	45.87
Aug. 21	39.86	Mar. 9	44.17	July 26	46.91	Dec. 29	45.80
Sept. 29	40.08						

51-11-6. Rubber Reserve Co. Shanks Lane west of Cane Run Road. Drilled observation water-table well in glacial sand and gravel, diam 6 in., depth 112 ft, screened 108-110. Lsd 446.27 ft above msl. MP top of coupling, 4.85 ft above lsd (since Sept. 6, 1953). Highest water level 44.54 below lsd, May 9, 1950; lowest 57.62 below lsd, Feb. 25, 1956. Records available: 1945-58.

Feb. 7, 1951	47.20	Aug. 16, 1951	45.52	May 20, 1952	46.42	Nov. 4, 1952	48.30
Mar. 29	46.16	Oct. 16	46.85	July 23	46.49	Dec. 5	48.89
May 9	44.92	Dec. 6	47.86	Aug. 25	47.00	Jan. 15, 1953	49.57
June 6	44.60	Jan. 24, 1952	48.35	Sept. 30	47.60	Mar. 4	50.22
July 12	44.93	Mar. 19	47.55				

Water level at noon, from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	50.33	50.40	50.47	50.54	50.72	51.04	51.38	51.72	51.98	
10	50.35	50.39	50.49	50.56	50.76	51.10	51.44	51.76	52.05	
15	50.28	50.42	50.49	50.58	50.80	51.16	51.50	51.81	52.09	
20	50.41	50.41	50.48	50.60	50.85	51.21	51.53	51.84	52.15	
25	50.37	50.43	50.50	50.64	50.91	51.27	51.61	51.89	52.20	
Eom	50.26	50.38	50.45	50.51	50.87	50.98	51.33	51.68	51.94	52.27

1954

5	52.32	.....	53.04	53.27	53.48	53.72	53.96	54.24	54.55	54.91	55.31	55.65
10	52.37	.....	53.08	53.30	53.52	53.75	54.00	54.29	54.60	54.97	55.36	55.71
15	52.43	.....	53.13	53.32	53.58	53.78	54.05	54.34	54.66	55.03	55.43	55.77
20	52.46	.....	53.19	53.36	53.61	53.81	54.09	54.40	54.73	55.09	55.50	55.81
25	52.55	52.92	53.21	53.42	53.64	53.87	54.13	54.44	54.79	55.16	55.55	55.87
Eom	52.63	53.01	53.24	53.45	53.67	53.92	54.19	54.50	54.85	55.24	55.59	55.93

1955

5	55.96	56.20	56.47	56.29	55.71	55.31	55.20	55.36	55.67	56.01	56.31	56.63
10	56.03	56.32	56.41	56.21	55.60	55.23	55.21	55.40	55.72	56.07	56.36	56.68
15	56.08	56.27	56.40	56.14	55.54	55.26	55.23	55.45	55.77	56.13	56.41	56.71
20	56.08	56.36	56.36	56.04	55.50	55.24	55.25	55.49	55.84	56.17	56.48	56.77
25	56.14	56.32	56.49	56.96	55.43	55.24	55.28	55.55	55.91	56.22	56.49	56.82
Eom	56.18	56.29	53.34	55.87	55.36	55.20	55.32	55.61	55.97	56.28	56.57	56.83

1956

5	56.88	57.18	57.32	57.13	56.61	56.08	55.72	55.58	55.58	55.68	55.82	56.07
10	56.95	57.15	57.28	57.05	56.53	56.01	55.70	55.57	55.58	55.69	55.86	56.12
15	56.98	57.33	57.32	56.99	56.38	55.94	55.68	55.56	55.59	55.70	55.89	56.16
20	57.04	57.27	57.29	56.93	56.33	55.87	55.65	55.57	55.63	55.73	55.93	56.19
25	57.07	57.32	57.23	56.78	56.25	55.81	55.61	55.57	55.63	55.75	56.00	56.23
Eom	57.18	57.30	57.20	56.72	56.14	55.75	55.57	55.59	55.65	55.78	56.04	56.30

1957

5	56.34	56.48	56.47	56.21	55.90	55.51	55.38	55.42	55.61	55.89	56.25	56.40
10	56.40	56.54	56.40	56.12	55.84	55.47	55.38	55.42	55.65	55.96	56.31	56.41
15	56.42	56.52	56.43	56.07	55.77	55.45	55.36	55.46	55.69	56.01	56.31	56.42
20	56.44	56.52	56.37	56.05	55.72	55.40	55.37	55.49	55.74	56.08	56.38	56.27
25	56.50	56.49	56.33	56.00	55.55	55.39	55.38	55.51	55.79	56.13	56.38	56.35
Eom	56.50	56.47	56.25	55.93	55.56	55.38	55.39	55.57	55.83	56.20	56.43	56.38

h Tape measurement.

51-11-6--Continued.

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	56.39	56.15	55.86	55.47	55.23	54.73	54.01	53.59	53.30	52.96	53.01	53.19
10	56.37	56.07	55.80	55.44	55.19	54.61	53.92	53.54	53.08	52.97	53.08	53.18
15	56.36	56.07	55.73	55.44	55.11	54.47	53.84	53.47	53.03	52.94	53.08	53.18
20	56.29	56.02	55.68	55.39	55.05	54.35	53.77	53.45	52.97	52.95	53.08	53.23
25	56.23	55.95	55.59	55.40	54.97	54.22	53.71	53.41	52.97	52.97	53.08	53.26
Eom	56.11	55.95	55.57	55.32	54.80	54.11	53.64	53.34	52.96	52.97	53.14	53.25

53-6-1. Rubber Reserve Co. Bethany Lane, east of Lower River Rd. Drilled observation water-table well in glacial sand and gravel, diam 6 in, depth 92 ft, screened 88-90. Lsd 433.89 ft above msl. MP top of coupling, 0.93 ft above lsd. Highest water level 23.96 below lsd, May 4, 1951; lowest 37.87 below lsd, Nov. 21, 1957. Records available: 1945-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	36.76	37.10	36.08	.....	.....	.....	.....	34.07	34.66	35.35	35.92	36.39
10	36.82	36.95	35.97	.....	.....	.....	.....	34.21	34.75	35.46	36.00	36.42
15	36.85	36.91	35.30	.....	.....	.....	.....	34.34	34.87	35.54	36.09	36.45
20	36.98	36.83	34.79	.....	.....	.....	.....	33.63	34.42	35.05	35.64	36.15
25	37.03	36.18	34.51	32.53	32.45	.....	.....	33.77	34.48	35.11	35.72	36.19
Eom	37.40	36.49	.....	.....	.....	.....	.....	33.97	34.55	35.22	35.80	36.30

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	36.23	35.86	34.77	34.38	33.99	34.33	35.22	36.00	36.77	37.35	37.54	37.62
10	36.31	35.77	34.72	34.56	33.94	34.51	35.36	36.05	36.93	37.39	37.63	37.33
15	36.10	35.50	34.73	34.42	34.07	34.69	35.40	36.23	37.01	37.41	37.68	37.56
20	36.06	35.36	34.70	34.35	34.18	34.72	35.56	36.36	37.12	37.46	37.76	37.13
25	35.97	34.96	34.51	34.24	34.17	34.86	35.73	36.46	37.21	37.50	37.64	37.15
Eom	35.88	34.97	34.57	34.07	34.29	35.10	35.86	36.60	37.27	37.52	37.80	37.14

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	37.07	36.35	36.34	35.88	35.28	33.96	34.36	34.63	34.53	.....	.....	36.80
10	36.95	36.42	36.47	35.81	35.17	33.98	34.51	34.53	34.66	.....	.....	36.87
15	36.87	36.31	36.32	35.78	34.75	34.06	34.64	34.47	34.79	35.66	.....	36.91
20	36.66	36.47	36.20	35.71	34.53	34.16	34.69	34.39	34.92	.....	.....	36.98
25	36.63	36.38	36.05	36.04	34.25	34.19	34.70	34.40	.....	.....	.....	37.02
Eom	36.41	36.47	36.14	35.78	34.06	34.26	34.67	34.41	35.23	36.05	36.69	.....

Johnson County

8245-3745-93. Albert Skauge. Lat 37°48', long 82°46'. Drilled unused water-table well in alluvial sand, diam 6 in, depth 79 ft, reportedly cased to 82. Lsd about 619 ft above msl. MP top of casing, 2.60 ft above lsd. Highest water level 20.71 below lsd, Mar. 8, 1955; lowest 47.80 below lsd, Nov. 3, 1952. Records available: 1949-58. Recording gage removed June 20, 1956.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	46.74	39.30	40.73	40.59	39.08	44.17	.....	.....	.....	.....	.....	.....
10	46.83	38.95	32.50	38.37	42.05	45.18	.....	.....	.....	.....	.....	.....
15	46.78	40.99	.....	38.86	43.45	45.81	.....	.....	.....	.....	.....	.....
20	46.94	34.40	33.41	34.53	44.30	46.01	.....	.....	.....	.....	.....	.....
25	46.64	38.68	39.74	39.44	45.05	.....	42.90	.....	.....	.....	.....	.....
Eom	44.70	39.23	39.33	42.13	44.82	.....	.....	.....	.....	.....	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 21, 1956	44.80	Apr. 2, 1957	43.08	Nov. 2, 1957	46.51	July 15, 1958	44.35
Sept. 19	45.80	May 1	43.29	Dec. 6	45.10	Aug. 12	43.85
Oct. 24	46.67	28	45.54	Jan. 11, 1958	44.68	Sept. 4	44.65
Nov. 13	45.86	July 11	46.02	Feb. 11	41.36	Oct. 1	46.58
Dec. 12	46.13	Aug. 6	45.73	Mar. 14	42.18	Nov. 4	46.67
Feb. 6, 1957	33.76	Sept. 6	47.12	Apr. 12	39.30	Dec. 2	45.67
Mar. 5	39.70	Oct. 5	46.15	June 11	44.69		

h Tape measurement.

8245-3745-404. Kentucky Water Co. Lat 37°46', long 82°45'. Drilled unused artesian and water-table well in Breathitt formation, diam 6 in, depth 115 ft. MP bottom of recorder base, 3.42 ft above lsd. Highest water level 24.94 below lsd, Mar. 6, 1955; lowest 28.79 below lsd, Sept. 22, 1955. Records available: 1951-58.

8245-3745-404--Continued.

Day	Water level at noon, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	26.42	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	.....	26.14	h26.04	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	.....	25.76	25.94	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	.....	25.96	25.98	.....	.....	.....	.....	.....	.....	.....	.....
25	.....	26.04	26.27	.....	.....	.....	h27.86	.....	.....	.....	.....	.....
Eom	.....	26.20	26.41	.....	.....	.....	.....	.....	.....	.....	.....	.....
1957												
5	.....	.....	26.52	26.47	27.07	.....	.....	28.07	28.52	27.69	.....	.....
10	.....	25.35	26.51	26.05	27.33	27.37	.....	28.09	28.62	27.83	.....	26.15
15	.....	25.98	26.53	26.47	27.58	27.40	27.67	28.17	27.68	27.93	.....	26.65
20	.....	26.51	26.85	26.77	27.57	.....	27.88	28.30	.....	28.09	.....	26.65
25	.....	26.37	26.85	26.85	27.45	26.56	27.80	28.26	.....	.....	.....	26.84
Eom	.....	26.51	26.81	26.67	e27.53	26.64	27.87	28.43	.....	.....	.....	26.38
1958												
5	26.85	e26.35	26.80	.....	25.63	27.68	28.05	27.14	27.91	27.96	28.26	27.74
10	.....	.....	26.88	.....	25.57	27.57	e27.56	27.34	27.98	28.10	28.33	27.85
15	27.21	26.51	.....	26.47	26.36	27.53	27.48	27.01	28.14	28.14	28.24	27.90
20	27.20	27.09	.....	26.80	26.85	27.67	27.22	27.10	28.22	28.15	28.26	27.97
25	e26.74	27.09	.....	26.25	27.12	27.85	27.14	27.24	27.85	28.16	28.25	28.14
Eom	26.64	26.79	.....	25.61	27.45	27.98	27.34	27.60	27.95	28.25	28.20	27.95

e Estimated.

h Tape measurement.

Kenton County

8430-3900-17. C. J. Harris. Lat 39°00', long 84°33'. Dug unused water-table well in shaly limestone of Maysville group, diam 5 ft, depth 35 ft. Lsd 840 ft above msl. MP base of recorder shelter, 1.00 ft above lsd. Highest water level 18.34 below lsd, Aug. 3, 1958; lowest 30.94 below lsd, Jan. 14, 1954. Records available: 1950-58.

Day	Water level at noon, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	28.42	23.89	25.15	.....	27.01	26.27	26.59	.....	.....	28.89	29.84	.....
10	28.71	24.83	22.84	25.26	27.28	26.51	26.73	.....	27.89	29.16	29.84	.....
15	29.91	22.20	23.92	26.17	27.65	26.91	26.66	26.96	27.99	29.35	.....	26.40
20	30.05	22.60	23.53	26.50	28.14	27.49	26.63	.....	.....	29.47	.....	.....
25	29.30	22.14	25.26	26.73	.....	26.22	27.34	.....	27.78	29.62	.....	.....
Eom	24.48	23.64	25.77	26.83	24.22	26.54	27.37	.....	28.38	29.75	.....	.....
1957												
5	.....	25.30	24.50	20.53	26.55	.....	24.95	26.31	27.60	28.78	28.63	24.38
10	.....	22.01	25.74	21.52	26.72	26.46	26.06	26.70	27.99	29.96	.....	22.22
15	25.67	24.32	25.85	25.34	26.91	26.73	26.42	25.70	28.22	29.15	.....	25.10
20	26.40	26.24	26.31	25.96	25.85	27.13	26.70	26.37	28.30	29.24	.....	19.75
25	24.63	26.34	26.41	26.26	.....	24.70	26.97	26.62	28.46	29.17	24.73	23.80
Eom	24.89	24.32	26.59	26.39	.....	26.08	27.22	28.65	28.69	25.50	24.39	.....
1958												
5	26.13	25.24	26.78	26.71	20.31	26.38	26.46	20.90	26.50	26.09	27.79	23.30
10	26.24	26.14	26.73	26.46	23.59	26.53	26.60	25.45	26.17	26.32	28.08	24.69
15	26.18	26.25	26.74	24.21	26.13	.....	26.10	23.00	27.13	26.54	28.37	26.09
20	25.90	26.42	25.87	26.13	26.27	25.49	26.03	24.13	25.82	26.73	28.28	26.04
25	23.52	26.50	24.98	26.14	23.25	26.26	24.08	26.18	24.38	27.09	27.96	26.46
Eom	24.01	26.48	26.21	22.90	26.19	26.28	24.50	26.30	24.34	27.62	28.00	26.25

8430-3905-15. City Products Corp. 2d and Scott Sts., Covington. Lat 39°05', long 84°30'. Drilled unused water-table well in sand and gravel, diam 36 in, depth 86 ft. Lsd 490.9 ft above msl. MP base of recorder shelter 1.10 ft above lsd. Highest water level 22.79 below lsd, Mar. 10, 1955; lowest 55.82 below lsd, Sept. 8-10, 1953. Records available: 1950-58.

Day	Water level at noon, from recorder graph, 1956											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5
10	49.11
15	49.12
20	49.21
25	49.23
Eom	49.28

KENTUCKY, LETCHER COUNTY

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8430-3905-15--Continued.

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	h31.63	.....	38.00	40.66	.....	49.91	53.34	52.29	51.46	49.85	.....
10	38.75	31.40	44.75	50.21	51.39	53.08	52.17	51.05	49.85	.....
15	38.76	28.45	46.10	51.05	52.08	52.61	52.12	50.70	49.77	.....
20	39.95	34.79	.....	51.50	51.55	52.43	52.14	50.55	47.65	43.80
25	42.33	36.72	.....	51.87	52.88	52.27	52.10	50.31	47.60	39.90
Eom	42.24	38.45	.....	50.92	52.94	52.28	52.13	50.03	48.25	36.92

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	39.40	40.33	40.05	37.40	.....	45.00	47.92	37.60	47.61	49.41	49.68	49.50
10	44.28	39.69	40.40	36.90	26.10	47.03	48.70	38.43	48.11	49.82	49.62	46.75
15	45.77	41.34	42.40	35.84	27.30	.....	46.31	39.80	48.69	50.07	50.27	47.88
20	43.98	44.77	42.50	.....	35.40	45.65	42.02	42.31	49.10	50.24	50.40	48.12
25	42.00	46.00	43.20	.....	41.91	46.50	38.68	45.64	48.81	50.40	50.01	48.39
Eom	39.10	45.84	39.15	.....	42.58	46.95	39.20	46.10	48.61	50.63	49.60	48.58

h Tape measurement.

Laurel County

8400-3705-40. J. R. Hale. London. Lat $37^{\circ}07'$, long $84^{\circ}04'$. Drilled unused water-table well in sandstone of Lee formation, diam 12 in, reported depth 400 ft. MP base of recorder shelter, 4.00 ft above lsd. Highest water level 45.79 below lsd, May 6, 1958; lowest 225 below lsd, Oct. 22, 1947. Records available: 1947, 1950-58.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	50.24	49.33	48.03	47.69	47.57	48.27	49.13	48.69	50.02	50.54	50.43	49.51
10	50.09	49.15	48.06	47.40	47.53	48.39	48.92	48.90	49.91	50.39	50.10	49.46
15	50.04	48.80	47.87	46.94	47.54	48.60	48.77	49.08	49.98	50.13	49.86	48.98
20	50.09	48.50	47.77	47.32	47.92	48.75	48.74	49.50	49.88	50.42	49.82	48.92
25	50.08	48.12	47.74	47.59	48.22	48.85	48.55	49.77	50.06	50.37	49.28	48.56
Eom	50.12	48.41	47.76	47.63	47.99	49.23	48.54	49.92	50.27	50.30	49.34	48.26

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	48.41	47.29	.....	46.87	47.30	47.90	.....	48.78	49.13	48.65	48.54	.....
10	48.22	.....	46.98	47.13	47.50	48.08	.....	48.85	49.29	48.70	48.78	.....
15	47.95	.....	47.11	47.27	47.60	48.40	48.53	48.81	48.90	48.69	48.36	.....
20	48.06	.....	47.02	47.31	47.63	48.50	48.69	49.08	48.78	48.89	48.07	.....
25	47.75	.....	46.94	47.35	47.85	48.41	48.87	48.90	48.78	48.63	.....	.....
Eom	47.28	.....	47.39	47.40	48.10	48.34	48.76	49.17	48.77	48.56	.....	.....

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	45.76	47.19	46.49	46.02	48.50	49.35	.....	47.33	47.22	h47.44	47.34
10	.....	46.80	47.02	46.22	45.90	.....	49.48	.....	47.29	47.37	47.46	47.58
15	47.01	.....	47.08	46.42	45.99	.....	49.60	47.28	47.48	47.61	47.41	47.60
20	47.18	47.18	46.91	46.43	47.95	.....	48.06	47.10	47.45	47.56	47.50	47.58
25	46.90	47.01	46.76	46.42	47.67	.....	47.75	47.19	47.30	47.58	47.38	47.73
Eom	46.60	46.68	46.60	46.20	48.40	.....	47.40	47.10	47.20	47.74	.....	47.60

h Tape measurement.

Letcher County

8255-3705-1. Louisville & Nashville RR. Co. Blackey. Lat $37^{\circ}08'$, long $82^{\circ}58'$. Drilled unused water-table well in Breathitt formation, diam 8 in, depth 93 ft, cased to 20. MP base of recorder shelter, 3.10 ft above lsd. Highest water level 1.40 below lsd, Jan. 29, 1957; lowest 22.72 below lsd, Oct. 20, 1953. Records available: 1953-58.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	21.82	17.45	18.05	18.69	18.70	19.81	19.86	18.50	19.89	20.38	20.26	20.69
10	21.94	18.18	17.77	18.25	19.69	19.85	19.91	19.81	19.83	20.69	20.42	20.80
15	21.85	18.37	16.70	9.90	19.78	19.97	19.85	19.90	19.86	20.81	20.73	17.48
20	21.87	.....	17.80	18.21	19.80	19.96	19.40	18.46	19.96	20.97	20.70	18.30
25	21.65	17.70	18.38	19.01	19.82	18.08	19.41	19.37	20.05	21.04	20.35	17.40
Eom	18.18	18.25	18.24	19.68	19.81	19.35	19.01	19.87	20.21	20.98	20.50	18.56

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

8255-3705-1--Continued.

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.19	....	18.62	17.85	19.75	19.86	....	21.22	21.83	20.81	21.74	20.49
10	17.44	15.30	17.79	17.60	19.78	19.87	....	21.32	21.93	21.50	21.83	17.75
15	18.29	17.92	18.60	18.46	19.79	19.92	20.72	21.36	21.76	21.74	21.79	....
20	19.00	17.69	19.18	19.26	19.84	19.98	20.84	21.47	....	21.73	18.00	....
25	17.90	18.25	19.50	18.99	19.88	19.87	20.89	21.58	....	21.65	18.35	....
Eom	....	18.67	19.69	19.23	20.05	19.91	21.09	21.71	....	21.69	20.18	....

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	18.17	18.82	17.18	16.38	19.71	19.83	....	19.70	19.80	19.93	18.79
10	....	18.03	18.80	17.69	17.30	19.75	19.85	....	19.76	19.93	20.06	19.48
15	19.78	b19.15	18.12	18.75	18.70	....	19.83	....	19.86	20.07	20.10	19.82
20	19.75	19.62	18.61	19.45	19.42	....	18.10	....	19.90	19.89	19.84	19.85
25	18.30	19.64	18.65	17.70	19.63	....	18.48	....	19.84	19.93	19.90	19.90
Eom	19.13	17.40	17.60	16.70	19.69	....	....	....	20.02	20.10	18.21	18.00

h Tape measurement.

Lincoln County

8440-3725-3. W. Goebel Scott. Lat 37°26', long 84°42'. Dug unused water-table well in shales and sandstones of Mississippian age, diam 36 in, depth 15 ft. Lsd about 985 ft above msl. MP base of recorder shelter, 3.30 ft above lsd (since Sept. 3, 1958). Highest water level 0.12 above lsd, Apr. 4, 1957; lowest 11.03 below lsd, Dec. 23-27, 1954. Records available: 1953-58.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	9.16	3.14	....	4.76	5.50	8.78	9.00	9.02	9.52	10.35	10.66	10.82
10	9.13	5.44	3.58	4.68	7.36	8.86	9.06	9.13	9.65	10.43	10.71	10.85
15	9.10	....	1.98	2.65	7.94	8.91	8.91	9.14	9.74	10.49	10.72	10.73
20	9.16	....	3.80	5.35	8.40	8.89	9.04	9.20	9.94	10.53	10.75	10.66
25	8.97	....	5.54	6.97	8.69	8.87	9.00	9.29	....	10.60	10.78	e10.17
Eom	....	....	6.80	7.75	8.69	8.95	8.98	9.36	....	10.62	10.80	9.80

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	9.62	3.75	4.64	.70	7.90	8.25	8.94	9.18	10.01	10.39	10.65	....
10	9.25	.66	1.15	2.65	8.22	8.59	9.00	9.25	10.19	10.45	10.68	....
15	8.96	4.88	2.43	5.97	....	8.65	8.98	9.32	10.28	10.51	....	....
20	9.12	4.61	4.42	6.60	8.30	8.69	9.05	9.46	10.27	10.55	h7.68	1.05
25	6.84	3.90	4.40	5.19	4.94	8.80	9.09	9.57	10.28	10.59	8.54	5.33
Eom	3.50	3.64	4.27	7.06	7.74	8.93	9.09	9.84	10.34	10.62	8.40	5.52

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	7.04	4.19	6.59	1.63	.59	8.65	8.89	6.08	8.65	5.81	8.91	7.86
10	7.51	4.24	4.56	1.80	4.53	8.67	8.77	8.20	8.71	8.91	9.03	8.37
15	6.74	5.93	3.50	4.75	6.37	....	8.32	8.43	8.84	8.92	8.93	8.57
20	6.30	7.23	4.03	6.50	7.62	8.69	6.05	8.50	8.84	8.90	8.81	8.67
25	1.78	7.30	.99	7.03	8.22	8.81	6.88	7.65	8.74	8.93	8.77	8.75
Eom	4.90	6.34	1.50	2.50	8.51	8.88	7.99	8.45	8.73	8.99	8.39	8.62

e Estimated.

h Tape measurement.

8440-3725-4. Omer Lewis. Lat 37°27', long 84°40'. Drilled unused water-table well in shales and sandstones of Mississippian age, diam 6 in, depth 33 ft. Lsd about 1,060 ft above msl. MP top of casing, 0.40 ft above lsd (since Aug. 14, 1958). Highest water level 6.32 below lsd, Nov. 9, 1958; lowest 9.83 below lsd, July 2, 1954. Records available: 1953-58.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	7.95	8.10	....	8.43	8.71	9.10	9.12	8.49	8.27	....	8.21	8.26
10	8.00	8.05	8.17	8.42	8.76	9.12	9.13	8.50	8.34	....	8.15	8.40
15	8.05	8.07	8.20	8.34	8.76	9.18	9.05	8.44	8.22	....	8.21	8.22
20	8.20	8.10	8.25	8.61	8.96	9.15	8.92	8.38	8.24	....	8.27	8.22
25	8.27	7.94	8.23	8.67	9.08	9.07	8.77	8.27	8.19	....	8.02	8.18
Eom	8.41	....	8.36	8.77	9.05	9.13	8.57	8.23	8.18	8.05	8.11	8.06

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.15	8.18	8.01	7.90	....	8.73	8.59	8.19	7.85	7.04	7.07	7.17
10	8.19	8.03	8.04	8.15	....	8.67	8.64	8.19	7.89	7.02	7.14	6.97
15	8.10	8.07	8.04	8.29	8.85	8.66	8.40	8.06	7.59	7.03	7.14	7.00
20	8.17	8.16	8.02	8.36	8.78	8.59	8.33	8.05	7.33	6.97	7.13	....
25	8.20	8.00	7.93	8.42	8.72	8.61	8.30	7.84	7.33	7.04	7.10
Eom	8.12	7.95	8.10	8.44	8.75	8.57	8.28	7.88	7.15	7.06	7.11

KENTUCKY, LOGAN COUNTY

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1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	e7.22	7.95	7.88	7.92	8.66	7.26	e6.76	6.42	6.40	6.54
10	....	e7.38	7.84	7.75	....	....	8.62	7.18	6.77	6.39	6.47	6.72
15	....	7.48	7.84	7.73	....	....	8.46	6.97	6.76	6.46	6.46	6.81
20	7.30	7.63	7.87	7.83	....	8.57	8.01	e6.88	6.71	6.55	6.58	6.86
25	7.15	7.90	7.80	8.05	....	8.54	7.44	e6.84	6.60	6.36	6.65	7.16
Eom	7.20	7.79	7.81	8.06	....	8.66	7.46	e6.80	6.46	6.50	6.88	6.91

e Estimated.

Livingston County

8820-3705-3. Mrs. Bishop Dycus. Smithland. Lat 37°08', long 88°24'. Dug unused water-table well in alluvium of Quaternary age, diam 36 in, depth 33 ft. MP base of recorder shelter, 3.00 ft above lsd. Highest water level 0.49 below lsd, Mar. 23, 1958; lowest 21.69 below lsd, Nov. 22, 1953. Records available: 1952-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	15.23	....	....	3.26	3.80	3.88	10.14	13.00	16.36	19.06	20.72	20.68
10	15.72	2.35	....	3.45	4.13	4.89	11.33	13.30	16.92	19.41	20.95	20.31
15	16.09	2.02	....	1.47	4.30	6.06	12.40	13.75	17.44	19.73	21.12	20.05
20	16.42	1.74	....	2.53	3.65	7.39	12.75	14.35	17.87	20.04	21.22	19.75
25	....	1.52	....	3.14	4.59	8.77	12.94	14.88	18.30	20.28	20.39	18.60
Eom	....	2.18	3.01	3.63	3.55	9.23	13.06	15.67	18.71	20.50	20.48	17.89

1957

5	17.65	4.07	2.30	1.17	3.60	3.06	8.70	5.52	11.80	16.30	14.53	2.58
10	17.30	2.20	2.70	1.82	4.27	3.71	9.67	6.54	12.77	16.79	2.82	1.97
15	17.26	2.75	2.05	2.55	3.15	4.36	6.50	7.35	13.76	17.27	1.39	2.60
20	17.22	2.67	2.48	2.01	1.80	5.25	5.17	7.09	14.59	17.01	1.68	1.00
25	6.97	2.96	1.32	2.26	.82	6.50	5.55	7.52	15.24	15.91	2.42	1.55
Eom	5.66	1.44	2.46	2.96	2.63	7.66	5.14	9.49	15.81	15.07	2.17	1.92

1958

5	2.66	2.35	2.83	2.30	1.80	4.82	5.88	2.46	6.53	10.72	14.22	6.89
10	2.95	e2.55	1.90	2.60	2.30	5.64	4.26	3.28	7.87	11.55	14.40	7.48
15	2.05	3.09	1.72	2.93	2.70	....	4.56	3.82	9.26	12.42	14.32	8.19
20	2.38	3.57	2.13	3.20	3.23	4.30	1.97	3.42	9.92	12.86	9.45	8.87
25	1.97	3.74	1.88	2.30	3.72	5.02	2.23	4.00	9.45	13.39	7.21	9.79
Eom	2.29	2.47	2.02	2.23	4.11	5.04	2.03	5.13	9.79	14.05	7.86	9.88

e Estimated.

Logan County

8645-3650-1. E. C. Cash. Lat 36°52', long 86°47'. Dug unused water-table well in Ste. Genevieve limestone, diam 28 in, depth 24 ft. MP base of recorder shelter, 1.50 ft above lsd. Highest water level 3.30 below lsd, Dec. 20, 1957; lowest 17.07 below lsd, Dec. 5, 1953. Records available: 1952-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.19	6.88	10.71	11.72	13.80	16.13	16.18	16.18	....	16.19	16.29	16.22
10	16.19	9.80	11.20	10.60	12.40	16.13	15.98	16.16	16.11	16.19	16.32	16.21
15	16.20	6.97	7.02	12.04	13.81	16.16	16.10	16.17	16.13	16.20	16.36	16.08
20	16.16	6.10	9.10	12.99	15.10	16.16	16.12	16.09	16.14	16.22	....	13.02
25	16.18	7.45	11.10	14.27	15.73	16.12	16.16	16.07	16.16	16.26	16.20	....
Eom	7.50	9.16	13.07	14.80	16.11	16.16	16.15	16.12	16.17	16.28	16.20	....

1957

5	....	7.45	10.70	6.22	14.67	13.50	16.08	16.16	16.18	16.19	16.16	12.88
10	....	6.06	10.96	9.27	15.31	13.70	16.00	16.16	16.20	16.19	e11.87	....
15	....	9.40	11.52	11.20	15.30	14.65	16.12	16.18	16.20	16.24	8.51	....
20	16.03	7.88	12.60	11.87	12.88	15.60	16.12	16.16	16.20	16.20	6.90	3.70
25	8.45	10.00	11.29	12.72	10.41	16.11	16.14	16.17	16.16	16.12	10.30	8.74
Eom	5.98	8.19	12.02	13.62	12.79	16.00	16.16	16.17	16.18	16.15	11.39	10.34

1958

5	12.25	10.05	15.35	10.60	12.63	15.62	16.12	16.06	16.06	16.04	16.14	15.57
10	13.61	10.97	15.18	9.30	10.38	16.04	16.10	16.06	16.07	16.08	16.15	15.92
15	13.99	12.69	10.86	10.69	12.10	....	15.99	15.46	16.10	16.09	16.16	16.09
20	14.50	14.21	11.88	12.00	13.62	16.10	14.74	16.02	16.12	16.10	16.10	16.11
25	8.17	14.66	5.00	13.10	14.82	16.10	15.42	15.32	15.00	16.11	16.11	16.10
Eom	11.01	14.73	8.36	11.98	15.30	16.11	16.05	15.87	16.00	16.12	16.03	16.12

e Estimated.

McCracken County

8830-3700-87. Ashland Oil & Refining Co. Lat 37°01', long 88°31'. Drilled unused artesian well in sand of Ripley formation, diam 5 in, depth 227 ft. Lsd 384.47 ft above msl. MP top of casing, 1.90 ft above lsd. Highest water level 57.58 below lsd, Mar. 31, 1955; lowest 79.70 below lsd, Oct. 21, 1954. Records available: 1951-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	77.64	.....	62.65	68.45	71.86	74.08	77.08	77.37	77.27	77.39	77.39	77.28
10	77.67	.....	63.74	65.39	71.38	73.42	77.29	77.38	77.24	77.49	77.38	77.30
15	77.61	.....	63.89	65.31	.....	75.25	76.89	77.35	77.40	77.53	.....	75.66
20	77.86	.....	62.05	64.87	.....	76.18	76.82	77.53	77.34	77.50	77.19	73.91
25	77.68	52.12	62.37	66.48	74.00	77.28	76.95	77.41	77.38	77.27	77.34	73.27
Eom	77.15	61.85	65.62	70.59	75.82	76.40	77.92	77.13	77.29	77.32	77.28	74.42

1957

5	.....	64.28	68.67	73.01	.....	70.41	73.83	76.52	76.83	77.13	77.11	71.12
10	.....	61.52	69.00	66.87	.....	72.87	73.42	76.64	76.80	77.05	77.05	69.54
15	.....	60.85	70.02	64.63	.....	74.46	75.43	76.45	76.85	77.13	75.44	67.81
20	75.52	61.41	71.56	63.08	.....	74.42	76.24	76.49	77.00	77.08	69.46	68.07
25	74.66	61.55	.....	.....	69.17	75.76	76.52	76.52	77.05	77.02	66.60	65.50
Eom	68.66	67.00	75.28	.....	67.62	76.12	76.40	76.77	77.07	77.12	67.27	64.45

1958

5	64.41	69.77	.....	71.37	.....	.....	75.77	.....	76.04	.....	.....	78.26
10	68.90	69.83	.....	71.02	.....	.....	.....	.....	76.15	h76.88	76.86	77.92
15	74.23	.....	.....	70.26	.....	75.74	.....	69.42	76.32	76.89	76.83	78.28
20	75.40	.....	.....	70.60	61.49	73.66	71.87	72.52	76.40	.....	77.06	77.65
.....	h75.60	h75.60	72.33	65.65	72.80	68.24	75.33	.....	.....	.....	.....	77.48
Eom	69.50	.....	71.88	.....	72.98	73.38	67.10	76.78	.....	.....	77.35	77.32

h Tape measurement.

8830-3700-135. Mrs. J. C. Morgan. Lat 37°02', long 88°34'. Dug unused water-table well in alluvium of Quaternary age, diam 36 in, depth 39 ft. Lsd 347.93 ft above msl. MP top of concrete cover, 2.36 ft above lsd. Highest water level 1.78 below lsd, Mar. 23, 1958; lowest 15.29 below lsd, Nov. 16, 1956. Records available: 1950-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.78	7.95	6.17	6.38	6.56	7.72	11.55	12.99	14.15	14.92	15.27	15.20
.....	13.32	7.98	5.86	6.40	6.96	8.67	12.03	13.23	14.31	15.03	15.27	15.18
15	13.76	7.47	.....	.....	7.07	9.25	12.35	.....	14.46	15.12	15.27	15.09
20	13.86	.....	.....	5.38	7.03	9.83	12.69	.....	14.58	15.19	15.25	15.10
25	13.86	5.26	5.67	5.96	8.16	10.58	12.79	13.79	14.69	15.23	15.12	14.86
Eom	10.14	5.66	6.29	6.36	7.24	10.91	13.28	13.96	14.83	15.23	15.16	14.80

1957

5	.....	10.15	6.74	.....	6.47	5.81	9.89	7.47	10.64	12.58	11.52	5.69
10	.....	8.75	7.51	.....	7.27	6.68	10.61	8.62	11.06	12.82	6.04	4.19
15	.....	9.13	6.87	5.24	6.70	7.20	10.70	9.38	11.31	12.93	3.58	5.31
20	.....	8.91	7.12	4.50	4.91	8.27	8.26	7.82	11.64	12.88	3.68	2.69
25	.....	8.82	6.42	5.04	3.08	8.83	7.69	8.81	11.97	11.79	5.03	4.05
Eom	.....	5.96	6.07	5.74	5.05	9.44	6.72	10.04	12.28	11.73	5.10	4.28

1958

5	5.10	4.89	5.80	4.07	2.75	7.52	8.37	4.81	8.89	10.55	.....	9.51
10	5.60	5.13	4.22	4.66	3.83	8.13	7.54	5.92	9.37	10.89	11.54	9.90
15	5.28	5.61	3.99	5.03	4.58	4.24	8.14	6.25	9.82	11.06	10.68	10.15
20	5.31	6.38	4.10	5.32	5.37	5.18	4.46	7.07	.....	11.16	9.74	10.24
25	.....	6.03	e2.75	5.08	6.01	6.25	4.46	7.48	.....	11.33	10.03	10.28
Eom	4.85	5.70	3.88	4.17	6.76	7.45	4.99	8.31	10.18	11.52	10.20	10.06

e Estimated.

Pulaski County

8435-3655-1. R. Bausch. Lat 36°59', long 84°36'. Drilled unused water-table well in limestone of Fort Payne(?) chert, diam 6 in, depth 146 ft, cased to 10. MP base of recorder shelter, 1.45 ft above lsd (since Sept. 4, 1958). Highest water level 71.42 below lsd, Dec. 14, 1956; lowest 90.99 below lsd, Nov. 8, 1952. Records available: 1952-58.

KENTUCKY, ROWAN COUNTY

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8435-3655-1--Continued.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Apr.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	82.68	81.93	82.48	82.37	82.52	82.11	82.37	82.17	.....	82.62	82.78	82.38
10	82.74	82.26	82.63	82.25	82.45	82.25	82.47	.....	82.46	82.70	82.77	82.43
15	82.74	82.37	82.58	82.23	82.17	82.27	82.19	.....	82.47	82.72	82.76	74.60
20	82.39	82.17	82.58	82.20	82.11	82.26	81.64	.....	82.53	82.75	82.71	.....
25	81.70	82.29	82.59	82.35	82.06	82.20	81.65	.....	82.51	82.71	81.70	.....
Eom	81.11	82.40	82.54	82.52	82.02	82.29	81.87	.....	82.57	82.70	82.24	.....
1957												
5	.....	80.23	81.10	80.22	81.94	82.07	82.20	82.27	82.22	82.17	81.95	81.88
10	.....	79.00	79.77	80.86	82.01	82.10	82.15	82.26	82.27	82.20	81.97	81.82
15	.....	81.19	80.08	81.62	82.14	81.98	82.13	82.28	e81.79	82.23	81.85	81.82
20	81.78	80.62	81.71	81.91	81.80	82.10	82.05	82.28	81.78	82.19	81.68	81.79
25	80.08	81.01	81.35	80.76	81.62	82.19	82.10	82.30	81.96	82.08	81.80	81.78
Eom	79.18	81.18	81.49	81.50	81.94	82.13	82.20	82.30	82.10	81.91	81.85	81.93
1958												
5	.....	80.54	81.60	80.03	.....	.....	82.11	81.98	82.26	82.11	82.02	81.00
10	.....	80.80	77.91	81.22	.....	.....	81.47	82.08	82.34	82.14	82.16	81.42
15	.....	81.63	79.40	81.30	.....	.....	81.40	82.07	82.36	82.15	82.16	81.67
20	81.93	81.89	79.86	81.64	.....	81.62	81.28	82.14	82.28	82.16	80.55	81.77
25	81.78	81.83	79.03	79.55	.....	81.83	81.40	82.17	81.33	82.17	81.41	81.99
Eom	81.83	81.80	80.41	79.63	.....	82.09	81.76	82.18	81.98	82.25	82.32	81.55

e Estimated.

Rowan County

8320-3810-1. Nick Trkula. Lat 38°12', long 83°24'. Dug unused water-table well in shales and sandstones of Mississippian age, diam 30 in, depth 24 ft. Lsd about 780 ft above msl. MP base of recorder shelter, 2.30 ft above lsd. Highest water level 5.04 below lsd, Feb. 10, 1957; lowest 15.37 below lsd, Dec. 19, 1953. Records available: 1953-58.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	11.88	7.06	9.68	8.40	11.32	11.30	7.50	11.43	11.86	11.47	11.63	11.83
10	11.93	10.60	8.75	9.55	11.47	11.65	11.35	11.60	11.95	11.90	11.80	9.45
15	11.86	5.79	6.85	8.88	11.75	11.79	11.40	11.57	11.25	11.92	11.89	7.19
20	11.45	13.75	8.60	10.31	11.87	11.86	11.61	11.34	11.70	12.02	11.97	11.29
25	11.67	9.50	9.45	11.27	e12.02	6.89	6.65	11.71	11.81	12.13	11.45	7.98
Eom	7.95	10.75	10.13	10.29	e9.50	11.31	11.15	11.82	11.87	12.08	11.69	11.21
1957												
5	11.30	10.17	11.16	6.42	11.71	11.85	.....	12.35	12.65	12.11	12.10	11.32
10	6.50	5.06	7.83	8.35	11.80	11.79	11.93	12.40	12.74	12.23	11.97	10.89
15	11.08	10.84	10.65	11.29	11.81	11.68	12.01	12.44	11.43	12.33	11.52	11.46
20	11.40	11.34	11.29	10.42	11.53	11.88	12.10	12.51	11.76	12.45	11.08	6.45
25	9.06	11.36	10.87	11.31	11.37	11.97	12.20	12.51	11.78	11.44	11.56	11.18
Eom	7.90	11.33	10.50	11.43	11.80	12.00	12.26	12.66	11.98	11.93	11.25	11.29
1958												
5	11.56	9.74	11.23	5.88	5.80	11.77	11.81	9.80	11.63	11.69	11.81	.....
10	11.64	9.67	11.30	10.00	9.90	11.80	11.29	11.40	11.70	11.67	11.92	.....
15	11.33	11.28	8.80	10.35	11.13	.....	11.30	11.51	11.80	11.77	11.91	.....
20	11.37	11.53	10.68	11.30	11.47	11.81	11.30	11.60	11.82	11.82	.....	.....
25	7.15	10.75	7.00	7.93	11.49	11.87	6.17	10.60	11.59	11.88	.....	.....
Eom	10.85	6.94	6.80	6.70	11.69	11.68	11.32	11.50	11.59	11.99	.....	.....

e Estimated.

8320-3810-2. Nick Trkula. Lat 38°12', long 83°24'. Drilled unused water-table well in shales and sandstones of Mississippian age, diam 5 in, depth 33 ft. Lsd about 780 ft above msl. MP base of recorder shelter, 1.50 ft above lsd. Highest water level 11.40 below lsd, Dec. 14, 1956; lowest 19.10 below lsd, Sept. 28, 1956. Records available: 1953-58.

Water level at noon, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	13.45	.....	13.75	14.27	13.26	14.75	15.69	15.58	15.05	15.43	.....
10	.....	.....	13.22	14.65	15.03	13.72	15.24	15.85	15.73	15.48	14.07	.....
15	.....	.....	.....	14.98	15.39	14.10	15.49	15.71	15.78	15.59	12.80	.....
20	15.62	.....	13.25	.....	15.30	15.62	14.97	15.50	15.46	15.84	15.74	13.63
25	15.31	.....	.....	.....	15.56	12.95	12.95	15.46	15.57	15.78	14.40	13.06
Eom	.....	13.60	.....	13.75	13.55	14.05	13.70	15.67	15.67	15.75	15.03	13.75

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

8320-3810-2--Continued.

1957													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
5	14.50	13.17	13.85	12.63	15.10	15.65	.....	16.73	17.74	.....	16.95	.....
10	13.22	12.46	13.48	13.08	15.40	15.60	16.02	16.88	17.36	.....	17.05	13.55
15	13.70	13.34	13.46	13.83	15.45	15.65	16.20	.....	16.95	.....	16.55	15.00
20	12.30	14.20	13.84	13.63	15.40	16.00	16.21	17.20	16.73	.....	14.55	14.05
25	13.34	14.50	13.57	13.88	14.55	16.20	16.35	17.10	16.66	16.50	15.65	13.80	
Eom	12.40	13.95	13.50	14.45	15.45	.....	16.75	17.15	16.62	.....	14.90	13.85

1958													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
5	14.95	13.45	13.70	13.55	12.10	15.75	16.80	.....	15.85	16.25	16.30	13.90
10	15.30	13.30	14.48	13.40	13.30	15.90	14.60	.....	16.10	16.12	16.50	15.00
15	15.35	14.20	13.75	13.45	14.00	.....	15.15	15.50	16.50	16.30	16.50	15.30
20	15.05	15.25	13.70	14.15	15.25	15.90	15.00	15.60	16.25	16.30	15.60	16.50	
25	13.40	13.95	13.00	13.34	15.20	16.25	15.20	.....	16.45	16.35	15.85	15.62
Eom	13.40	13.40	13.40	12.85	15.50	15.60	.....	.....	15.75	16.35	14.66	15.70

Scott County

8430-3820-7. W. T. Nelson. Lat 38°21', long 84°32'. Dug unused water-table well in shale and limestone of Eden formation, diam 36 in, depth 20 ft. Lsd about 990 ft above msl. MP base of recorder shelter, 0.40 ft above lsd. Highest water level 16.88 below lsd, Apr. 8, 1957; lowest 19.56 below lsd, Jan. 12-13, 1954. Records available: 1953-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.29	18.43	.....	17.50	17.97	18.35	18.16	18.58	18.79	18.90	19.11	19.24
10	19.31	18.42	17.15	17.58	18.06	18.42	18.25	18.64	18.82	18.93	19.14	19.24
15	19.32	18.10	17.07	17.62	18.13	18.48	18.32	18.67	18.84	18.96	19.17	19.20
20	19.33	17.39	17.04	17.70	18.20	18.50	18.39	18.67	18.84	18.99	19.19	19.17
25	19.33	17.35	.....	.....	18.27	17.91	18.45	18.71	18.87	19.01	19.19	.....
Eom	18.91	17.39	17.42	17.89	18.29	17.97	18.52	18.75	18.91	19.08	19.21	.....

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	18.89	18.45	16.98	18.27	18.80	18.50	19.10	19.27	19.35	19.36	17.96
10	.....	18.25	18.52	17.09	18.42	18.88	18.67	19.15	19.28	19.37	19.30	17.38
15	.....	18.05	18.59	17.43	.....	18.97	18.80	19.15	19.31	19.38	19.19	17.62
20	19.18	18.18	18.67	17.69	18.58	19.05	18.90	19.18	19.30	19.38	17.71	17.49
25	18.92	18.30	18.74	17.91	18.58	18.77	18.98	19.20	19.32	19.35	17.61	17.71
Eom	18.93	18.35	18.82	18.10	18.70	18.62	19.93	19.25	19.33	19.35	17.79	17.88

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.09	18.42	18.82	18.93	18.28	18.74	19.20	19.32	19.37	19.31	19.33	19.35
10	18.24	18.43	18.89	18.71	17.69	18.82	19.24	19.34	19.37	19.30	19.36	19.36
15	18.36	18.60	18.95	18.76	17.96	.....	19.28	19.33	19.37	19.30	19.36	19.40
20	18.48	18.73	19.01	18.85	18.18	19.01	19.28	19.33	19.31	19.31	19.35	19.41
25	18.20	18.77	18.81	18.93	18.36	19.09	19.29	19.34	19.31	19.31	19.36	19.43
Eom	18.29	18.73	18.87	18.93	18.57	19.15	19.32	19.36	19.31	19.32	19.37	19.44

Spencer County

8525-3800-14. R. L. Workman. Lat 38°04', long 85°25'. Dug unused water-table well in limestone, diam 24 in, depth 14 ft. Lsd about 538 ft above msl. MP base of recorder shelter, 0.40 ft above lsd. Highest water level 0.94 below lsd, Apr. 4, 1957; lowest 10.80 below lsd, Oct. 13, 1957. Records available: 1955-58.

Water level at noon, from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	6.56
10	7.49
15
20	9.21	.....
25	8.68	.....
Eom	8.66	.....

1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	7.44	8.26	9.63	9.99	10.54	.....	.....	.....	.....
10	7.17	7.97	9.72	10.14	10.61	.....	.....	.....	.....
15	7.25	8.45	9.82	10.27	10.63	.....	.....	.....	8.85
20	7.45	9.02	9.91	10.38	10.81	.....	.....	.....	8.50
25	7.08	7.75	9.57	9.00	10.47	10.81	7.39
Eom	7.52	8.25	9.34	9.76	10.50	10.81	7.45

KENTUCKY, UNION COUNTY

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8525-3800-14--Continued.

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.16	.....	....	2.65	8.03	9.66	.....	10.59	10.71	10.75	10.76	8.64
10	.....	....	....	5.44	8.78	9.78	.....	10.61	10.70	10.75	10.35	4.50
15	6.63	.....	7.25	7.58	9.47	9.80	10.22	10.64	10.71	10.77	.....	6.32
20	7.64	.....	7.75	7.93	7.73	9.84	10.36	10.66	10.72	10.77	.....	6.55
25	.....	....	8.07	7.07	6.25	9.78	10.47	10.69	10.72	10.76	6.42	5.90
Eom	.....	....	8.65	7.86	8.72	7.85	10.54	10.70	10.74	10.76	6.40	6.39

1958

5	6.03	6.60	8.25	6.92	1.90	9.71	10.05	8.17	10.31	9.28	9.58	2.75
10	7.34	6.32	8.11	4.55	6.42	9.82	9.56	9.53	10.53	6.95	9.65	7.38
15	7.40	7.38	7.53	6.94	7.87	9.63	7.29	9.17	10.40	7.55	9.90	8.13
20	7.24	8.00	7.68	.....	8.20	9.78	5.78	9.49	10.51	8.59	7.62	8.74
25	4.43	8.22	4.75	7.92	9.00	9.95	4.20	9.73	9.06	9.18	8.02	9.05
Eom	6.88	7.60	6.94	4.05	9.67	9.81	7.74	9.99	8.33	9.58	8.19	9.08

Taylor County

8520-3720-30. E. F. Noe. Lat 37°23', long 85°22'. Drilled unused water-table well in Warsaw limestone, diam 6 in, depth 40 ft, cased to 30. Lsd about 875 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 11.06 below lsd, Dec. 20, 1957; lowest 32.12 below lsd, Oct. 21, 1957. Records available: 1957-58. Recording gage installed Oct. 21, 1957.

Water level at noon, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	31.55	.....
10	29.34	.....
15	26.26	.....
20	11.10
25	30.96	.....	14.41
Eom	31.35	.....	14.54

1958

5	19.87	k15.10	k26.16	20.99	.....	.....	26.90	.....	.....	28.41	29.48	28.05
10	k22.78	16.32	k26.64	18.00	h14.85	.....	.....	.....	27.48	28.17	29.83	27.75
15	24.30	20.50	24.15	.....	14.68	.....	.....	16.45	27.67	28.05	29.98	28.05
20	23.85	24.10	24.37	.....	.....	20.46	.....	.....	27.76	28.39	29.75	28.80
25	13.35	25.66	22.70	.....	.....	26.61	.....	.....	27.84	28.85	29.77	27.85
Eom	.....	k25.65	21.60	.....	.....	26.77	.....	.....	28.09	29.31	29.05	.....

h Tape measurement.

k Interpolated.

Union County

8755-3735-10. J. A. Schneider. Lat 37°39', long 87°56'. Drilled unused artesian well in fault zone in middle part of Pennsylvanian system, diam 6 in, depth 59 ft. MP top of casing, 3.70 ft above lsd. Highest water level 3.20 below lsd, Mar. 25, 1958; lowest 18.06 below lsd, Dec. 1, 1953. Records available: 1951-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	11.76	9.24	6.55	5.11	5.39	6.79	10.00	11.08	.....	14.65	15.29	14.92
10	11.78	8.96	5.70	5.05	5.44	7.32	10.41	11.52	.....	14.85	15.31	14.75
15	11.67	8.43	.....	4.47	5.75	7.85	10.80	11.89	.....	14.99	15.29	14.52
20	11.81	7.38	.....	4.60	6.03	8.36	11.04	12.21	.....	15.12	15.27	14.33
25	11.76	6.78	5.22	4.99	6.46	8.99	10.82	12.52	14.30	15.20	15.01	13.93
Eom	10.56	6.66	5.55	5.31	6.36	9.48	10.77	12.88	14.47	15.22	14.96	13.63

1957

5	13.62	10.01	7.15	4.80	6.04	5.60	7.02	7.62	10.96	11.62	.....	h5.88
10	13.60	8.72	7.27	4.38	6.48	5.77	7.66	8.23	11.35	11.81	.....	.....
15	13.27	8.55	7.05	5.12	6.24	5.65	7.91	8.87	10.78	11.91	.....	5.30
20	13.20	8.67	7.06	4.51	5.65	5.90	7.90	9.39	10.85	11.11	.....	3.92
25	10.98	8.46	6.64	4.91	4.38	6.10	8.37	9.86	11.11	9.83	.....	4.01
Eom	10.32	7.34	6.11	5.48	5.15	6.44	7.30	10.48	11.35	.....	.....	4.08

h Tape measurement.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

8755-3735-10--Continued.

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	4.20	5.38	4.29	3.49	e5.90	6.50	5.87	8.86	....	9.76	7.99
10	5.02	4.34	4.95	4.32	3.96	5.68	5.34	6.44	9.42	....	9.87	7.84
15	4.78	4.88	4.57	....	4.49	5.60	5.67	6.89	9.92	....	9.50	8.05
20	4.86	5.37	4.53	....	4.92	5.79	5.23	7.28	9.68	....	8.68	8.20
25	3.82	5.31	3.21	....	5.19	6.15	4.69	7.60	....	9.71	8.55	8.25
Eom	4.19	5.17	3.81	3.50	....	5.96	5.48	8.27	....	9.86	8.72	8.18

e Estimated.

Webster County

8745-3725-5. Town of Clay. Lat $37^{\circ}28'$, long $87^{\circ}48'$. Drilled unused artesian well in lower part of Lisman formation of Pennsylvanian system, diam 8 in, depth 91 ft. Lsd about 365 ft above msl. MP top of $\frac{3}{4}$ -in pipe, 1.00 ft above lsd. Highest water level 20.95 below lsd, May 19, 1958; lowest 87.23 below lsd, Oct. 5-6, 1954. Records available: 1952-58.

Lowest water level for the day, from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	76.41	77.45	81.01
10	76.61	77.70	84.19
15	76.69	77.73	79.48
20	77.16	e77.78	....
25	77.10	....	84.58
Eom	75.79	....	77.08	67.60	84.50

1953

5	84.50	84.32	84.27	64.04	78.59	72.63	82.92	84.07	84.24	84.26	84.57	84.50
10	84.37	84.22	83.35	69.71	81.14	72.50	84.33	84.20	84.16	84.30	84.35	84.54
15	84.52	84.34	70.56	63.78	83.30	72.14	83.85	84.32	84.18	84.39	84.18	84.59
20	86.79	84.63	68.10	63.15	83.61	72.25	83.92	84.42	84.39	84.27	82.88	84.48
25	85.70	84.82	66.72	62.28	78.17	79.55	84.10	84.42	84.20	84.08	82.18	84.43
Eom	85.50	84.72	65.01	72.25	72.35	80.95	84.28	84.33	84.29	84.63	79.64	84.47

1954

5	84.52	84.33	85.85	82.01	80.13	80.35	79.67	84.42	84.61	87.23	83.33	84.43
10	84.40	84.56	86.26	81.04	79.58	80.15	79.65	84.54	85.23	84.40	83.78	84.32
15	84.43	85.00	86.78	81.19	80.38	71.61	80.36	84.85	85.60	83.47	83.85	84.58
20	84.59	84.56	84.64	84.15	80.31	81.07	81.25	84.23	86.25	83.25	83.27	84.25
25	84.58	84.73	83.75	80.76	80.28	79.20	82.40	85.36	86.48	82.87	84.48	84.18
Eom	85.05	85.53	77.67	80.61	80.16	79.68	84.56	85.37	86.63	82.79	84.13	84.44

1955

5	84.19	84.04	84.27	83.73	83.92	83.72	84.47	84.50	81.67	81.02	80.52	77.36
10	84.37	84.42	83.51	83.44	84.02	84.39	84.41	84.44	81.46	81.38	80.30	76.00
15	84.35	84.23	83.76	83.90	83.38	84.49	83.80	84.02	81.42	81.71	....	77.76
20	84.08	84.22	83.08	83.68	84.03	84.51	81.62	84.27	81.32	81.46	78.24	79.36
25	84.51	84.28	83.74	84.12	84.38	84.48	77.74	84.32	81.39	80.72	76.30	80.07
Eom	84.63	83.55	82.68	83.25	84.52	84.48	81.40	82.81	81.35	81.82	73.69	78.58

1956

5	80.79	81.43	79.50	79.78	78.30	78.62	78.58	78.10	77.31	80.03	77.79	78.01
10	81.07	81.29	80.87	78.50	78.25	78.29	78.64	78.12	77.68	76.80	77.79	77.98
15	80.38	80.06	80.22	78.73	77.38	78.91	78.28	77.98	78.01	76.73	77.99	78.03
20	81.41	80.94	77.04	78.64	78.47	78.65	76.46	78.01	77.16	77.82	77.95	77.89
25	81.34	80.67	75.21	78.24	77.68	79.78	78.03	77.98	77.94	77.87	77.77	78.00
Eom	81.37	81.00	79.40	79.09	78.61	78.67	78.21	76.95	76.69	77.78	77.89	78.38

1957

5	78.22	85.10	84.85	84.34	84.55	84.40	....	84.58	84.60	60.31	49.56	....
10	78.63	84.59	84.31	84.38	84.40	84.50	....	84.55	84.60	72.58	....	39.60
15	77.99	84.54	e84.25	84.30	84.55	....	....	73.92	83.32	65.11	....	e39.83
20	82.29	84.58	84.39	84.22	84.15	....	....	84.60	71.80	56.30	....	e39.83
25	84.67	84.50	84.38	84.30	84.49	....	....	84.50	65.43	53.30	....	37.18
Eom	84.59	84.57	84.21	84.44	84.39	....	....	84.56	61.19	50.89	....	34.10

1958

5	33.25	e36.96	....	e36.97	26.56	h39.24	....	38.66	42.59	48.54	....	....
10	e34.16	e36.95	50.03	36.97	24.13	43.20	....	37.41	44.19	49.34	....	....
15	34.24	27.49	35.46	....	22.91	28.91	....	38.00	45.12	....	81.04	....
20	31.04	....	e36.97	....	30.18	31.08	....	39.52	46.03	....	....	....
25	28.58	....	e36.97	....	31.06	28.80	....	41.10	47.68	74.00	74.48	....
Eom	e36.98	....	e36.97	34.98	....	37.59	....	42.56	48.14	78.81	....	....

e Estimated.

h Tape measurement.

Wolfe County

8320-3740-5. Mrs. Lexi Couch. Lat $37^{\circ}41'$, long $83^{\circ}20'$. Dug unused water-table well in mantle and Breathitt formation, diam 30 in, depth 9 ft. MP base of recorder shelter, 2.86 ft above lsd. Highest water level 2.88 below lsd, Dec. 19, 1956; lowest 7.20 below lsd, Sept. 19, 1954. Records available: 1954-58.

Water level at noon, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.81	4.47	4.79	4.73	5.04	5.69	5.47	5.15	5.45	5.59	5.20	5.30
10	5.92	4.91	4.75	4.90	5.10	5.85	5.77	5.45	5.59	5.69	5.36	4.94
15	5.92	4.10	4.50	3.98	5.11	6.23	5.47	5.54	5.53	5.89	5.47	4.42
20	5.75	e4.51	4.72	4.99	5.33	5.82	5.33	e5.61	5.34	5.98	5.50	4.89
25	5.52	4.33	4.92	5.12	5.48	5.20	4.72	5.62	5.52	5.62	5.05	4.50
Eom	4.80	4.82	4.88	5.15	5.53	5.42	4.90	5.59	5.68	5.41	5.22	4.90

1957

5	4.94	4.76	4.92	4.68	5.07	5.52	...	5.72	6.97	5.67	5.45	5.00
10	4.47	4.41	4.70	4.78	5.22	4.97	5.57	6.04	7.15	5.75	5.43	4.87
15	4.87	4.91	4.89	5.04	5.70	5.06	5.55	6.19	5.33	5.85	5.20	5.07
20	4.99	4.95	4.98	5.07	5.19	5.26	5.77	6.33	5.64	5.80	4.84	4.35
25	4.75	4.89	4.94	5.08	5.15	4.94	5.49	6.49	5.54	5.55	5.15	4.99
Eom	4.66	4.95	4.98	5.05	5.46	...	5.64	6.73	5.56	5.47	5.20	5.03

e Estimated.

MARYLAND

By Claire A. Richardson

The observation-well program in Maryland was continued during 1956-58 in cooperation with the State Department of Geology, Mines and Water Resources. Figure 8 shows the location of observation wells included in this report.

Well-Numbering System

All wells outside of Baltimore City are grouped by counties. Each county is divided into 5-minute quadrangles. Each quadrangle from north to south is designated by uppercase letters and from west to east by lowercase letters. The wells are numbered in each 5-minute quadrangle in the order in which they were inventoried. A different well-numbering system is used for wells in Baltimore City. All wells within the city limits are referred to mile squares which are in turn referred to the Washington Monument near the center of the city. Thus well 2S5E-1 is in the square mile that is 2 miles south and 5 miles east of the Washington Monument and is the first well inventoried in that square.

Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum unless otherwise indicated.

City of Baltimore

2S5E-1. U. S. Army. Fort Holabird. Holabird Ave. and Pumphrey St. Lat 39°16'18", long 76°32'20". Drilled unused artesian well in sand of Patuxent formation, diam 12 in, depth 290 ft. Lsd 18 ft above msl. MP lip of discharge pipe, 2.00 ft above lsd. Highest water level 58 below lsd, 1934 (previously reported 80.89' below lsd, June 22, 1943); lowest 103.70 below lsd, Oct. 15, 1948. Records available: 1934, 1943-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	96.42	Oct. 1, 1956	95.07	July 3, 1957	93.54	Mar. 31, 1958	94.74
30	96.15	29	97.20	Aug. 5	95.51	May 5	88.39
Feb. 27	96.86	Dec. 3	88.73	Sept. 10	97.16	June 2	85.89
Apr. 2	93.68	Jan. 2, 1957	91.28	30	100.63	July 7	87.36
30	96.02	Feb. 4	91.91	Nov. 12	97.87	Aug. 4	84.46
June 4	96.09	Mar. 11	89.82	Dec. 2	100.61	Sept. 2	82.44
July 9	96.36	Apr. 1	96.00	Jan. 6, 1958	96.47	29	81.55
30	87.67	29	95.97	Feb. 7	100.08	Nov. 3	85.12
Sept. 10	95.86	June 10	98.06	Mar. 3	96.99	Dec. 29	85.64

4S3E-3. Virginia-Carolina Chemical Corp. Fairfield. Lat 39°14'33", long 76°34'28". Drilled unused artesian well in sand of Patuxent formation, diam 18 to 8 in (previously reported 18 in), depth 357 ft, cased to 325. Lsd 20 ft above msl. MP top of 18-in casing, 1.00 ft above lsd. Highest water level 40.37 below lsd, Aug. 28, 1952; lowest 72.11 below lsd, Oct. 24, 1947. Records available: 1947-58. Recording gage removed May 5, 1958.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	67.10	65.99	62.10	65.30	67.83	53.53	.....	52.16	.....	65.62	.....	63.53
10	67.26	66.93	64.50	64.15	.....	54.88	.....	52.50	.....	65.92	.....	63.71
15	69.82	65.43	64.57	64.77	.....	56.14	55.19	53.69	56.48	64.23	.....	66.17
20	68.92	62.25	63.95	68.63	.....	55.76	52.15	53.88	55.85	65.98	.....	67.14
25	67.85	64.55	64.90	.....	.....	52.21	49.32	56.32	56.42	65.44	.....	59.78
Eom	68.98	.....	63.71	.....	.....	49.99	56.02	63.35	63.66	.....	65.24	

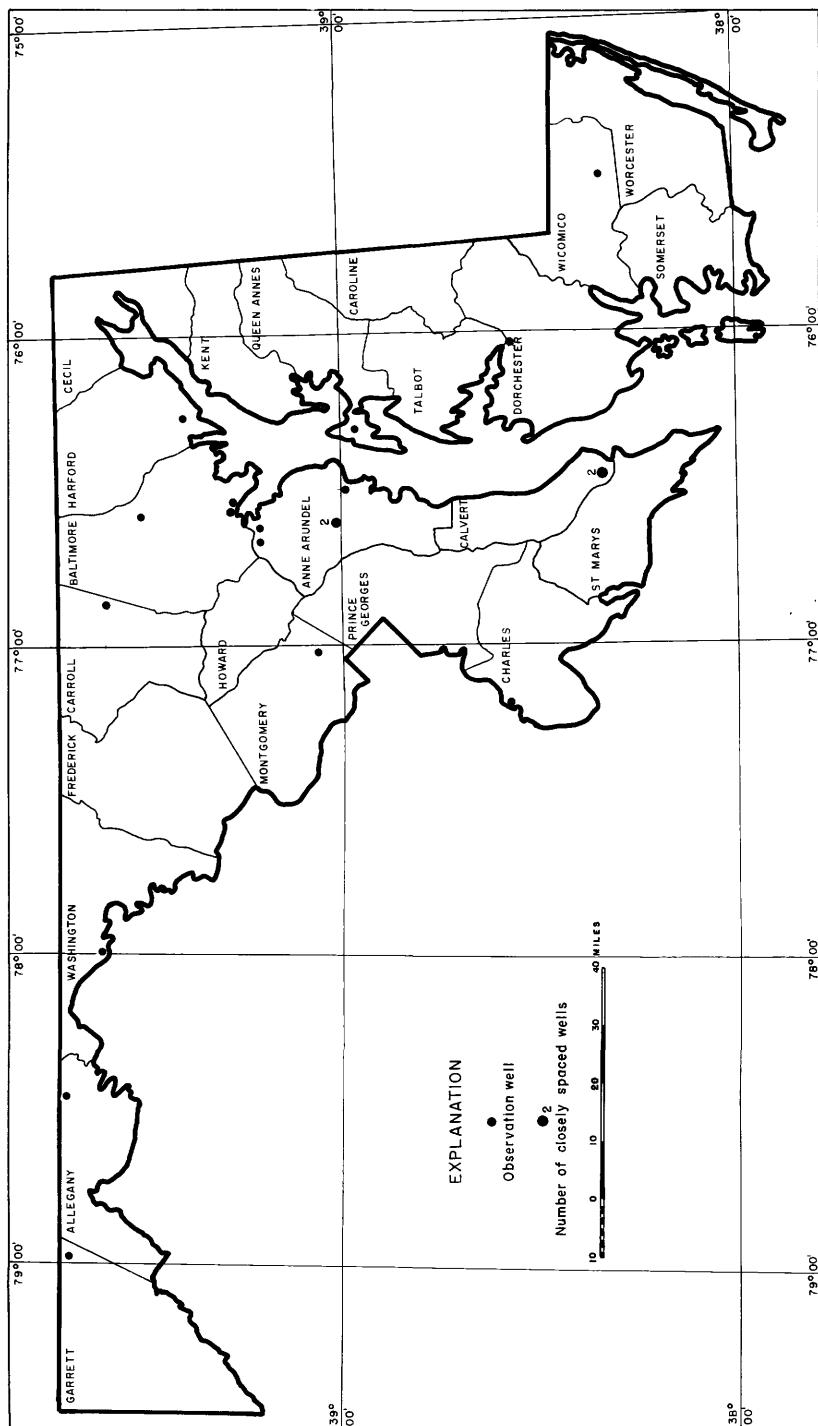


Figure 8.-Location of observation wells in Maryland, 1956-58.

4S3E-3--Continued.

Day	1957											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	65.25	64.38	64.46	60.78	62.32	.....	61.00	58.21	.....	60.57	65.40	66.39
10	66.61	65.39	65.71	60.83	63.50	.....	63.94	.....	.....	58.33	65.49	65.08
15	66.55	66.92	65.62	61.09	63.15	.....	57.45	.....	59.80	58.91	67.74	63.30
20	67.16	66.08	.....	62.05	62.74	.....	56.28	.....	58.38	61.13	66.36	65.42
25	67.02	64.75	.....	64.32	64.60	.....	58.82	.....	60.71	.....	64.00	64.85
Eom	65.26	65.38	.....	62.12	.....	.....	59.33	.....	58.89	54.54	64.60	63.72

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	64.68	67.03	66.90	62.92	.....	.....	.....	.....	.....	.....	.....	.....
10	67.36	66.52	63.95	64.32	.....	.....	.....	.....	.....	.....	.....	.....
15	66.56	67.72	66.54	64.42	.....	.....	.....	.....	.....	.....	.....	.....
20	64.89	63.93	66.47	65.44	.....	.....	.....	.....	.....	.....	.....	.....
25	.....	64.16	64.78	66.37	.....	.....	.....	.....	.....	.....	.....	.....
Eom	66.93	66.35	60.12	65.36	.....	.....	.....	.....	.....	.....	.....	.....

Allegany County

All-Ah 1. State of Maryland. Green Ridge State Forest. Lat $39^{\circ}40'34''$, long $78^{\circ}27'34''$. Drilled public-supply artesian well in sediments of Jennings (?) formation, diam 8 in, measured depth 113 ft (reported depth 300 ft). Lsd 740 ft above msl. MP top of casing, at lsd. Highest water level 2.18 below lsd, Dec. 30, 1950; lowest 8.6 below lsd, Sept. 18, 1957. Records available: 1949-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	5.90	Oct. 11, 1956	5.72	Apr. 6, 1957	g5.2	Sept. 18, 1957	g8.6
Feb. 1	5.97	Nov. 5	6.97	12	4.01	Oct. 14	7.47
16	4.08	Dec. 7	g6.5	May 6	g5.3	Jan. 9, 1958	a19.76
Mar. 2	4.25	Jan. 7, 1957	g7.7	June 14	g5.2	10	5.28
Apr. 4	4.96	11	4.91	July 1	g5.4	Apr. 10	4.16
9	3.18	Feb. 4	g4.0	17	b16.98	July 23	5.67
June 30	4.82	Mar. 2	g4.1	Aug. 7	g7.5	Sept. 25	6.19
July 16	6.24						

a Well being pumped.

b Well pumped recently.

g By State Dept. of Forests and Parks.

Anne Arundel County

AA-Ad 10. General Services Administration. Formerly U. S. Army Ordnance Depot. Lat $39^{\circ}12'09''$, long $76^{\circ}35'39''$. Drilled unused artesian well in sand of Patapsco formation, diam 8 to 6 in, depth 109 ft. Lsd 45 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 29.96 below lsd, June 18, 1953; lowest 36.56 below lsd, Aug. 21, 1944 (previously reported 35.71 below lsd, Jan. 8, 1947). Records available: 1944, 1946-58.

Jan. 8, 1956	32.78	Oct. 29, 1956	33.19	Aug. 5, 1957	32.83	May 5, 1958	32.12
Feb. 3	33.10	Dec. 3	32.13	Sept. 10	33.09	June 2	32.27
28	32.83	Jan. 2, 1957	33.70	30	33.17	July 7	32.46
Apr. 2	32.82	Feb. 4	32.90	Nov. 12	33.03	Aug. 4	31.28
30	32.81	Mar. 11	32.87	Dec. 2	33.59	Sept. 2	31.16
June 4	32.70	Apr. 1	32.57	Jan. 6, 1958	33.22	29	31.24
July 11	32.67	29	32.42	Feb. 7	32.88	Nov. 3	31.37
30	32.67	June 10	32.49	Mar. 3	33.17	Dec. 1	32.47
Sept. 10	32.17	July 3	32.56	31	32.57	29	32.31
Oct. 1	32.85						

AA-Ad 29. Anne Arundel County Sanitary Commission. Glen Burnie. Lat $39^{\circ}10'18''$, long $76^{\circ}37'31''$ (previously reported $76^{\circ}37'02''$). Drilled unused artesian well in sand of Patuxent formation, diam 3 to 2 in, depth 530 ft, casing slotted 490-530. Lsd 40 ft above msl. MP top of casing, 16.40 ft above lsd. Highest water level 14.15 above lsd, Sept. 1, 1952; lowest 0.18 below lsd, Nov. 18, 1958. Records available: 1948-58.

Lowest water level for the day, above lsd, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	+10.52	+10.67	+11.09	+10.97	+11.22	.....	.....	.....	+10.97	+10.90	+10.73
10	+10.72	10.71	10.77	11.02	11.01	11.29	.....	.....	.....	10.84	10.88	10.80
15	10.80	10.72	10.85	11.22	11.08	11.30	.....	.....	+11.13	10.84	10.87	10.82
20	10.74	10.71	10.89	10.98	10.93	.....	.....	.....	11.02	10.74	10.80	10.83
25	10.64	10.73	10.91	10.82	10.90	.....	.....	.....	11.03	10.79	10.83	10.91
Eom	10.47	10.50	10.98	11.06	11.25	.....	.....	.....	11.03	10.92	10.88	10.91

AA-Ad 29--Continued.

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	+10.76	+10.70	+10.82	+10.96	+11.02	+10.90	....	....	+10.27	+8.50	....	+8.93
10	10.72	10.89	10.89	10.97	11.06	10.96	....	+10.47	....	8.51	....	9.11
15	10.69	10.79	10.90	10.88	11.08	11.00	....	10.37	9.28	8.33	+8.03	9.22
20	10.49	10.75	11.04	10.98	11.05	10.95	....	10.28	9.35	8.82	8.47	9.40
25	10.65	10.71	11.00	11.06	10.89	10.92	....	10.25	8.75	8.78	7.66	9.35
Eom	10.70	10.88	10.81	11.11	10.85	11.02	....	10.26	9.16	....	8.67	9.23

1958

5	+8.16	....	+3.87	+5.34	+4.47	....	....	+2.19	+2.85	....	....	....
10	8.91	+4.95	4.95	5.95	....	....	+4.52	2.70	3.44	....	....	....
15	7.84	3.82	5.02	5.94	....	....	....	2.93	2.82	....	....	....
20	....	4.28	5.20	5.62	....	....	....	2.93	....	....	+1.97	3.61
25	....	4.20	5.65	4.17	....	....	....	4.21	....	....	3.79	4.00
Eom	....	4.54	6.10	4.09	....	....	....	3.15	....	....	....	3.90

AA-Cd 10. Crownsville State Hospital. Crownsville. Lat 39°01'18", long 76°36'15" (previously reported as 76°36'06"). Drilled unused artesian well in sand of Patapsco formation, diam 8 to 6 in., depth 668 ft, screened 654-668. Lsd 135 ft above msl. MP top of casing, 1.40 ft above lsd. Highest water level 109.62 below lsd, Mar. 15, 1949; lowest 125.51 below lsd, Nov. 6, 1951. Records available: 1949-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1956	111.43	Oct. 2, 1956	116.57	July 1, 1957	115.95	Apr. 2, 1958	112.38
Feb. 3	112.16	30	120.29	Aug. 6	112.60	May 6	112.10
28	111.85	Dec. 4	117.82	Sept. 3	112.96	June 4	112.16
Apr. 3	112.25	Jan. 3, 1957	115.80	Oct. 7	113.44	30	112.12
May 1	112.32	Feb. 7	112.30	Nov. 7	112.75	Aug. 7	111.88
June 5	112.01	Mar. 6	111.89	Dec. 3	115.78	Sept. 4	111.67
July 2	112.26	Apr. 2	111.97	Jan. 13, 1958	114.87	30	111.97
31	112.20	30	111.93	Feb. 4	111.98	Nov. 5	111.98
Sept. 4	112.64	May 27	112.00	Mar. 4	112.05	Dec. 2	112.16

AA-Cd 11. Crownsville State Hospital. Crownsville. Lat 39°01'28", long 76°36'15". Drilled unused artesian well in sand of Magothy formation, diam 20 to 16 to 10 in., depth 232 ft, screened 206-226. Lsd 105 ft above msl. MP hole in pump base, 1.50 ft above lsd. Highest water level 72.80 below lsd, Apr. 20, 1951; lowest 79.24 below lsd, Dec. 3, 1957. Records available: 1930, 1951, 1957-58. 1930, 79, reported by driller; Apr. 20, 1951, 72.80; Dec. 3, 1957, 79.24; Jan. 13, 1958, 77.12.

AA-Df 14. U. S. Naval Academy. Near Carrs Point. Lat 38°59'17", long 76°28'01". Drilled unused artesian well in sand of Patapsco formation, diam 8 to 6 to 4 in., depth 578 ft. Lsd 60 ft above msl. MP top of casing, at lsd. Highest water level 65.40 below lsd, Jan. 2, 1951; lowest 83.95 below lsd, Apr. 7, 1954. Records available: 1946-58.

Jan. 9, 1956	73.80	Oct. 2, 1956	79.03	July 1, 1957	72.02	Apr. 2, 1958	78.62
Feb. 3	73.35	29	80.01	Aug. 6	79.96	May 6	73.69
28	77.65	Dec. 4	73.10	Sept. 3	79.44	June 4	74.37
Apr. 3	71.43	Jan. 3, 1957	72.42	Oct. 7	78.39	30	79.97
May 1	69.74	Feb. 7	70.62	Nov. 7	78.14	Aug. 7	82.11
June 5	73.87	Mar. 6	73.42	Dec. 3	75.39	Sept. 4	75.56
July 2	75.03	Apr. 2	76.35	Jan. 13, 1958	73.58	30	74.32
31	75.69	30	77.31	Feb. 4	77.04	Nov. 5	78.35
Sept. 4	79.17	May 27	78.91	Mar. 4	80.33	Dec. 2	78.53

Baltimore County

Bal-Ce 21. U. S. Army. Jacksonville. Lat 39°31'05", long 76°34'15". Drilled unused water-table well in schist of Wissahickon formation (oligoclase facies), diam 10 to 6 in., depth 350 ft, cased to 33. Lsd 536 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 13.81 below lsd, May 7, 1958; lowest 20.14 below lsd, Nov. 8, 1957. Records available: 1955-58.

Nov. 5, 1955	g17	Apr. 2, 1957	16.78	Oct. 3, 1957	19.91	May 7, 1958	13.81
Dec. 14	18.83	10	16.15	Nov. 8	20.14	June 3	15.07
Nov. 9, 1956	18.70	May 1	16.18	Dec. 3	19.63	30	16.12
Dec. 4	18.78	June 4	17.37	Jan. 3, 1958	17.49	Sept. 3	17.35
Jan. 3, 1957	18.19	July 9	18.55	Feb. 6	16.50	Oct. 3	19.27
Feb. 12	17.54	31	19.17	Mar. 4	16.04	Nov. 3	18.76
Mar. 11	16.84	Sept. 12	20.00	Apr. 2	14.20	Dec. 9	19.20

3 By driller.

Calvert County

Cal-Gd 5. U. S. Navy. Occupied by Tidewater Fisheries Commission. Near Solomons. Lat 38°19'58", long 76°27'26". Drilled unused artesian well in sand of Piney Point formation (previously reported as Nanjemoy formation), diam 8 in, depth 248 ft, cased to 233, screened 233-248. Lsd 10 ft above msl (previously reported 9.5 ft above msl). MP top of pump base, 11.50 ft above lsd. Highest water level 15 below lsd, 1942 (previously reported 17.98 below lsd, May 13, 1950); lowest 56.5 below lsd, Jan. 15, 1944 (previously reported 23.23 below lsd, Sept. 18, 1951). Records available: 1942, 1944, 1949-58. Recorder removed July 2, 1957.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.39	19.52	.....	.....	.....	.....	.....	.....	.....
10	19.59	.....	.....	.....	.....	.....	.....	.....
15	19.39	.....	.....	.....	.....	.....	.....	.....
20
25
Eom

1957

5	.....	19.99	.....	19.45	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	19.99	19.86	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	20.55	19.75	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	20.72	19.37	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	.....	20.70	19.53	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	20.19	20.65	19.89	.....	.....	.....	.....	.....	.....	.....	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 6, 1957	21.11	Dec. 3, 1957	18.48	Apr. 2, 1958	19.78	Sept. 30, 1958	21.29
Sept. 3	20.97	Jan. 13, 1958	21.19	June 4	19.77	Nov. 17	20.00
Oct. 7	20.96	Feb. 4	21.22	30	20.91	Dec. 1	20.33
Nov. 7	21.04	Mar. 4	20.94	Aug. 7	21.11		

Cal-Gd 6. U. S. Navy. Occupied by Tidewater Fisheries Commission. Near Solomons. Lat 38°19'58", long 76°27'08". Drilled unused artesian well in Aquia greensand, diam 8 to 6 in, depth 493 ft, cased to 472, screened 469-493. Lsd 10 ft above msl. MP top of pump base, 10.00 ft above lsd. Highest water level 0.00, 1942 (previously reported 25.72 below lsd, May 16, 1950); lowest 58.9 below lsd, Jan. 13, 1944 (previously reported 34.83 below lsd, Aug. 6, 1954). Records available: 1942, 1944, 1949-58. 1942, 0.00; Jan. 13, 1944, 58.9.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	30.90	30.71	30.82	30.53	.....	.....	32.43	33.28	34.02	33.54	32.75	.....
10	30.82	30.87	31.34	30.57	.....	31.00	32.74	33.28	34.02	.....	.....	32.76
15	30.73	30.67	31.09	30.28	.....	31.43	.....	.....	33.85	33.43	.....	32.42
20	30.78	30.51	30.82	30.41	.....	31.54	.....	.....	33.96	.....	.....	32.54
25	31.22	30.58	31.09	30.78	.....	31.80	.....	.....	34.08	.....	32.75	32.06
Eom	31.52	30.98	30.32	30.63	.....	32.21	33.34	33.56	33.74	32.57	32.66	32.15

1957

5	32.10	32.58	31.89	31.26	30.80	31.35	32.59	34.34	33.76	33.16	32.76	32.75
10	.....	32.09	32.04	31.37	30.96	31.28	33.04	34.26	33.64	33.18	33.22	31.97
15	.....	32.24	32.12	31.39	31.03	31.45	33.11	34.20	33.62	33.35	32.48	32.46
20	.....	32.42	31.66	31.10	30.96	31.90	33.61	34.07	33.44	33.50	32.50	31.82
25	.....	32.22	31.35	30.86	31.48	32.07	33.96	33.94	33.60	33.04	32.50	32.15
Eom	32.39	31.86	31.63	30.84	31.53	32.29	34.10	33.80	33.53	32.85	32.35	.....

1958

5	31.82	31.89	31.36	.....	31.61	31.76	32.36	33.55	33.21	32.88	32.30	
10	31.25	31.87	31.75	31.66	31.49	31.61	32.07	33.00	33.43	33.20	33.06	32.92
15	30.61	31.47	31.73	31.49	31.45	31.55	32.12	33.27	33.62	33.57	33.05	32.65
20	31.05	31.95	31.67	.....	31.55	31.77	32.41	33.56	33.42	33.20	32.87	32.47
25	30.98	31.86	31.68	.....	31.33	31.59	32.39	33.46	33.56	33.14	32.97	32.60
Eom	31.39	31.37	31.28	.....	31.54	31.69	32.50	33.67	33.31	33.41	33.21	32.37

Carroll County

Car-Bf 1. Town of Hampstead. Lat 39°36'40", long 76°51'00". Drilled unused water-table well in schist (?) of Wissahickon formation (albite facies), diam 8 in, depth 407 ft (previously reported 400 ft), cased to about 65. Lsd 933 ft above msl. MP floor of wellhouse, at lsd. Highest water level 52.30 below lsd, May 13, 1952; lowest 76.03 below lsd, Dec. 14, 1949. Records available: 1946-47, 1949-58.

Car-Bf 1--Continued.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	68.72	70.25	67.90	64.25	63.35	65.56	67.32	67.37	68.59	69.82	70.71	69.94
10	68.87	69.77	67.87	63.75	63.64	65.86	67.45	67.59	68.76	70.08	70.10	70.00
15	69.15	69.15	67.91	63.11	63.82	66.22	67.68	67.71	68.89	70.30	69.90	70.05
20	69.53	68.70	67.13	62.79	64.35	66.56	67.96	67.89	69.12	70.50	69.90	70.03
25	69.85	68.30	66.22	63.09	64.67	66.76	67.37	68.11	69.36	70.67	69.82	69.84
Eom	70.27	68.08	64.96	63.16	65.09	67.03	67.18	68.32	69.59	70.76	69.79	69.58

1957

5	69.52	68.98	65.46	64.55	63.27	65.07	68.16	70.32	72.08	73.38	74.25	74.81
10	69.53	68.53	65.14	64.12	63.51	65.78	68.53	70.61	72.31	73.56	74.39	74.88
15	69.51	67.97	65.10	63.93	63.71	66.47	68.88	70.92	72.54	73.74	74.43	74.88
20	69.60	67.08	64.69	63.82	63.95	67.02	69.22	71.25	72.78	73.91	74.56	74.87
25	69.53	66.54	64.51	63.51	64.52	67.44	69.58	71.50	72.97	73.32	74.63	74.68
Eom	69.20	65.97	64.66	63.27	64.88	67.73	70.00	71.86	73.20	74.06	74.72	73.71

1958

5	72.83	69.07	67.93	57.43	58.50	59.67	63.17	66.14	68.40	70.23	71.77	72.95
10	72.25	68.75	67.20	55.70	58.27	60.03	63.74	66.49	68.70	70.48	72.00	73.12
15	71.87	68.68	66.74	55.23	58.14	60.66	64.18	66.91	69.06	70.80	72.22	73.28
20	71.43	68.66	66.52	55.65	58.06	61.40	64.62	67.27	69.34	71.08	72.42	73.44
25	70.96	68.71	66.49	56.96	58.29	62.00	65.05	67.92	69.64	71.29	72.65	73.60
Eom	69.85	68.48	62.39	57.92	58.92	62.73	65.65	68.04	69.91	71.56	72.85	73.78

Charles County

Ch-Cb 7. U. S. Navy. Indian Head. Lat 38°34'24", long 77°11'48". Drilled unused artesian well in sand of Patapsco formation, diam 8 to 6 in, depth 400 ft, cased to 400, screened 154-167. Lsd 36 ft above msl. MP top of recorder base, 5.00 ft above lsd. Highest water level 57.35 below lsd, Apr. 18, 1952 (previously reported 57.55 below lsd); lowest 81.92 below lsd, Jan. 28, 1958. Records available: 1952-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	64.90	.....	.....	66.60	66.38	66.97	66.96	65.68	63.70	66.56	67.91	.....
10	65.17	.....	.....	66.75	66.60	66.39	.....	64.85	63.33	.....	68.36	66.41
15	64.73	.....	.....	66.78	66.53	67.43	.....	64.70	64.52	.....	67.98	66.52
20	.....	64.55	.....	67.14	66.70	67.30	.....	64.90	64.64	66.89	.....	66.33
25	64.71	.....	.....	66.96	66.75	67.37	.....	64.40	65.35	67.74	.....	65.87
Eom	64.89	.....	.....	67.03	66.72	67.44	.....	63.98	65.42	66.84	.....	65.94

1957

5	.....	69.58	71.73	71.16	72.36	71.35	70.84	73.24	72.76	72.71	.....	76.17
10	65.77	69.97	.....	71.11	.....	71.60	71.58	73.99	72.59	72.99	72.35	77.01
15	.....	70.19	72.21	72.81	71.96	71.96	71.86	.....	71.90	.....	73.00	76.66
20	66.53	70.87	71.04	73.73	71.51	71.68	72.33	72.60	71.48	.....	74.56	76.41
25	.....	70.74	70.99	72.65	71.04	71.60	72.92	72.84	71.43	.....	75.43	75.57
Eom	66.97	71.06	72.02	71.92	71.30	71.12	73.02	73.08	71.93	.....	75.45	75.19

1958

5	75.82	.....	.....	78.87	79.12	79.50	73.33	.....	69.87	67.02	65.03	63.64
10	77.16	.....	.....	79.02	78.81	79.12	72.63	70.29	70.42	66.48	64.90	.....
15	79.28	.....	.....	79.10	79.29	78.29	.....	70.23	69.73	65.96	64.87	.....
20	80.88	.....	.....	78.94	79.23	76.65	.....	69.91	69.13	65.66	64.64	.....
25	81.43	.....	.....	79.06	79.59	75.02	.....	69.66	68.19	.....	64.39	.....
Eom	81.79	.....	.....	79.27	79.67	74.20	.....	69.76	67.48	.....	64.35	.....

Dorchester County

Dor-Ce 21. State of Maryland. Eastern Shore State Hospital. Near Cambridge. Lat 38°33'43", long 76°02'53". Drilled unused artesian well in sand of Piney Point formation, diam 8 in, depth 370 ft. Lsd 12 ft above msl. MP top of casing, at lsd. Highest water level 14 below lsd, 1914; lowest 132.95 below lsd, Sept. 6, 1956. Records available: 1914, 1952, 1956-58. Recording gage installed Aug. 23, 1956; removed Nov. 6, 1958. 1914, 14, by driller; Feb. 14, 1952, 73.77.

Dor-Ce 21--Continued.

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	119.25	117.48	127.55	.....
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	115.04	117.95	.....
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	113.01	.....	97.94
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	94.70
25	.....	.....	.....	.....	.....	.....	.....	119.11	.....	.....	.....	93.03
Eom	.....	.....	.....	.....	.....	.....	.....	120.58	.....	.....	.....	.....
1957												
5	93.14	.....	98.75	.....	93.52	.....	.....	115.76	121.49	.....	.....	105.85
10	.....	.....	87.99	.....	93.69	.....	111.42	.....	118.48	.....	.....	101.08
15	.....	.....	.....	.....	93.97	.....	112.00	.....	122.54	.....	.....	100.02
20	.....	.....	.....	.....	.....	119.70	.....	.....	.....	.....	.....	98.06
25	.....	.....	.....	.....	.....	119.84	124.71	.....	.....	.....	.....	95.59
Eom	.....	88.79	.....	.....	.....	116.23	119.48	.....	.....	102.97	.....	93.30
1958												
5	93.23	91.82	91.50	.....	95.92	106.57	.....	121.30	.....	119.25	.....	.....
10	93.97	90.75	.....	.....	.....	.....	.....	113.76	.....	.....	.....	.....
15	93.05	91.98	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	93.24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	93.24	91.50	.....	.....	.....	112.42	.....	.....	.....	.....	.....	.....
Eom	91.97	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

c Nearby well being pumped.

Garrett County

Gar-Ag 1. Town of Frostburg. Savage River valley. Lat 39°40'20", long 78°58'59". Drilled unused water-table well in Greenbrier limestone or Pocono sandstone, diam 8 in, depth 30 ft. Lsd 2,560 ft above msl. MP top of casing, at lsd. Highest water level 5.71 below lsd, Jan. 19, 1950; lowest 8.64 below lsd, Oct. 9, 1951. Records available: 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	8.51	Oct. 11, 1956	7.79	July 17, 1957	7.90	May 14, 1958	7.35
Feb. 6	8.03	Nov. 8	7.59	Aug. 13	7.92	June 12	7.55
Mar. 7	8.46	Dec. 12	7.56	Sept. 10	8.27	July 15	7.77
Apr. 3	7.26	Jan. 10, 1957	7.30	Oct. 10	8.13	23	7.84
9	7.36	22	7.50	14	8.18	Aug. 6	7.72
May 17	7.45	Feb. 13	7.30	Nov. 14	7.83	28	7.80
June 12	7.50	Apr. 8	7.14	Dec. 12	7.69	Sept. 25	8.15
July 12	7.59	11	7.28	Jan. 11, 1958	7.54	Oct. 6	8.25
Aug. 10	7.60	May 21	7.47	28	7.04	27	8.39
Sept. 21	7.75	June 11	6.54	Apr. 7	6.94	Dec. 4	7.43
Oct. 4	7.71	July 9	7.67	9	7.23	29	8.55

Harford County

Har-Ed 24. U. S. Army Chemical Center. Edgewood. Lat 39°23'50", long 76°16'21". Drilled unused artesian well in sand of Patapsco formation (previously reported Patuxent formation), diam 18 to 10 in, depth 149 ft, cased to 120, screened 120-135. Lsd 13 ft above msl. MP top of casing, 1.15 ft above lsd. Highest water level 8.24 below lsd, Apr. 13, 1944; lowest 35.88 below lsd, Feb. 4, 1955. Records available: 1944, 1949-58.

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	33.18	32.94	31.70	31.29	30.80	30.49	30.15	.....	.....	.....	.....
10	.....	33.01	33.12	31.67	31.00	30.51	30.26	.....	.....	.....	.....	.....
15	33.27	33.12	32.78	31.01	30.89	30.70	30.60	.....	.....	.....	.....	29.53
20	33.18	33.11	32.45	31.52	31.17	30.19	30.25	.....	.....	.....	.....	29.63
25	33.62	32.62	32.83	31.61	31.04	30.30	30.35	.....	.....	.....	.....	29.34
Eom	33.92	33.50	31.95	31.74	30.86	30.71	30.32	.....	.....	.....	.....	29.33
1957												
5	29.62	29.44	.....	28.55	29.15	29.20	29.34	29.90	29.93	29.61	.....	30.55
10	29.45	28.82	.....	29.19	29.37	29.17	29.79	29.74	29.64	.....	30.30	29.65
15	29.58	29.20	28.78	29.30	29.02	29.35	29.55	29.56	29.66	.....	29.43	30.05
20	29.75	29.62	28.91	29.15	29.21	29.26	29.56	29.65	29.47	.....	29.64	.....
25	29.50	28.76	29.09	29.05	29.49	29.09	29.60	29.69	29.70	.....	29.70	30.09
Eom	29.05	28.60	29.37	29.00	29.43	29.28	29.55	29.85	29.75	.....	29.53	.....

Har-Ed 24--Continued.

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	30.14	29.44	29.28	28.64	29.34	29.02	29.15	29.71	29.89	29.63	29.52	29.35
10	.....	.....	29.12	29.13	29.08	29.43	29.72	29.87	29.70	29.59	29.79	30.44
15	.....	.....	29.30	29.02	29.05	29.47	29.20	29.73	29.83	29.68	29.97	30.31
20	29.57	.....	29.69	28.87	29.19	29.15	29.60	29.78	29.89	29.84	30.15	30.30
25	29.02	.....	28.78	29.20	28.90	29.10	29.44	29.58	29.84	29.82	30.52	30.27
Eom	28.86	.....	28.80	29.62	29.06	29.42	29.42	29.62	29.27	29.88	30.86	29.90

Montgomery County

Mont-Eg 1. Walter M. Brown. Near Colesville. Lat $39^{\circ}04'00''$, long $77^{\circ}01'31''$. Dug unused water-table well in schist (?) of Wissahickon formation (oligoclase facies), depth 20 ft, cribbed with loose stones. Lsd 289.50 ft above msl (previously reported 280 ft above msl). MP assumed reference plane, 24.65 ft below lsd. Highest water level 8.96 below lsd, Apr. 28, 1952; lowest 18.41 below lsd, Oct. 6, 1932. Records available: 1932-58.

Mean water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.19	15.16	14.40	13.60	14.63	.....	16.29	16.77	.....	.....	16.86	16.63
10	16.18	14.48	14.15	13.69	14.75	.....	16.43	16.87	.....	17.51	16.81	16.63
15	16.07	14.40	13.12	13.80	14.91	.....	16.57	17.00	.....	17.48	16.76	16.35
20	16.10	14.31	12.73	14.08	15.09	.....	16.67	17.14	17.70	17.45	16.70	16.34
25	16.14	14.26	12.83	14.30	15.26	.....	16.52	17.19	.....	17.33	16.64	16.05
Eom	15.80	14.33	13.27	14.46	15.36	.....	16.68	17.30	.....	17.13	16.62	16.00

1957

5	15.97	15.35	14.13	13.25	.....	14.90	.....	17.22	17.93	17.43	17.10	16.83
10	15.92	14.98	13.65	12.73	.....	14.88	.....	17.40	17.94	17.34	17.08	.....
15	15.96	14.89	13.62	13.05	.....	15.15	.....	17.58	17.87	17.33	17.06	.....
20	.....	14.80	13.46	13.42	.....	15.38	.....	17.76	17.48	17.25	16.96	.....
25	15.81	14.82	13.69	13.76	.....	15.59	16.82	17.85	17.45	17.19	16.94	.....
Eom	15.63	14.57	14.02	.....	.....	15.77	17.03	17.92	17.43	17.17	16.88	.....

1958

5	14.31	13.66	13.13	10.84	12.60	14.08	14.81	14.74	15.69	16.49	16.62	16.56
10	14.39	13.21	13.32	10.76	11.93	14.34	14.21	15.00	15.85	16.56	16.60	16.57
15	14.16	13.39	13.46	11.35	12.50	14.40	14.01	15.18	16.05	16.65	16.64	16.59
20	14.21	13.76	12.99	12.00	13.00	14.60	14.22	15.35	16.22	16.68	16.65	16.59
25	.....	13.83	.....	12.53	13.38	14.28	14.23	15.26	16.31	16.64	16.69	16.62
Eom	13.45	13.12	.....	12.39	13.79	14.56	14.62	15.52	16.44	16.68	16.65	16.57

Queen Anne's County

QA-Eb 12. Stevensville Fire Dept. Stevensville. Lat $38^{\circ}58'49''$, long $76^{\circ}19'00''$ (previously reported as lat $38^{\circ}58'47''$, long $76^{\circ}23'59''$). Drilled unused artesian well in Aquia green-sand, diam $2\frac{1}{2}$ in, measured depth 67 ft (previously reported depth 194 ft). Lsd 10 ft above msl (previously reported about 15 ft above msl). MP top of casing, at lsd. Highest water level 0.54 below lsd, Mar. 1, 1954; lowest 4.89 below lsd, Nov. 2, 1954. Records available: 1953-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1956	3.08	Mar. 7, 1957	2.78	Oct. 3, 1957	3.17	June 5, 1958	2.76
Feb. 1	3.52	Apr. 5	2.18	Nov. 14	3.33	July 2	2.88
Mar. 1	3.32	May 2	3.01	Dec. 9	1.17	Aug. 6	2.37
Apr. 5	2.83	29	3.00	Jan. 15, 1958	.94	Sept. 9	2.92
May 3	3.17	June 13	2.73	Feb. 10	2.25	Oct. 2	2.39
Oct. 31	2.55	July 9	3.12	Mar. 6	3.06	Nov. 6	2.01
Dec. 6	3.15	Aug. 20	2.20	Apr. 7	1.40	Dec. 4	2.51
Jan. 8, 1957	3.02	Sept. 10	3.28	May 8	1.37	30	1.71
Feb. 11	2.79						

Washington County

Wa-Be 2. State of Maryland. Fort Frederick State Park. Lat $39^{\circ}36'40''$, long $78^{\circ}00'20''$. Dug unused water-table well in Romney shale, diam 42 in, depth 43 ft, cribbed with stone. Lsd 480 ft above msl. MP top of stone sill, 0.83 ft above lsd. Highest water level 18.24 below lsd, Apr. 1, 1953; lowest 36.48 below lsd, Oct. 2, 1957. Records available: 1949-58.

Wa-Be 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	34.62	Dec. 6, 1956	30.79	Apr. 8, 1957	26.69	Feb. 12, 1958	34.66
Apr. 9	23.77	Jan. 3, 1957	28.16	May 3	25.67	Mar. 11	34.23
July 10	34.66	10	26.86	24	28.11	Apr. 9	23.20
Aug. 4	34.97	Feb. 5	27.94	July 10	33.54	May 15	18.94
31	34.53	Mar. 6	24.90	Oct. 2	36.48	July 23	30.27
Oct. 1	35.07	Apr. 3	26.89	Nov. 4	35.85	Sept. 23	34.20
Nov. 2	32.60						

Wicomico County

Wi-Cf 3. Salisbury Airport. Mount Hermon (previously reported near Salisbury). Lat 38°20'40", long 75°31'09" (previously reported 75°31'15"). Drilled unused water-table well in sand of Pleistocene age, diam 16 in, depth 109 ft, cased to 90, screened 90-108. Lsd 45 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 1.90 below lsd, May 7, 1958; lowest 11.55 below lsd, Sept. 18, 1947. Records available: 1942, 1947-58. 1942, 7.3 (reported).

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	4.42	6.36	....	6.85	....	7.96	8.00	....	8.94	4.53	....
10	....	4.82	6.47	5.39	6.84	6.83	7.60	8.15	....	9.02	5.24	6.74
15	6.06	5.41	5.74	5.86	7.01	7.20	7.95	8.30	....	9.08	5.87	6.80
20	5.96	5.71	4.94	6.38	7.16	7.39	8.08	8.39	....	7.54	5.55	5.91
25	6.07	6.07	5.72	6.59	7.31	7.62	7.61	8.49	....	7.66	5.79	4.91
Eom	6.60	6.30	6.34	6.74	7.35	7.78	7.92	8.60	....	5.30	6.23	5.64

1957

5	6.19	4.13	4.91	5.82	6.77	7.56	....	8.94	9.37	9.05	8.14	....
10	6.48	....	3.94	5.11	6.94	6.66	8.25	....	8.65	8.38	8.23	....
15	6.54	5.12	4.90	5.69	7.10	7.12	8.39	....	8.50	8.55	8.22	4.98
20	6.75	5.17	3.78	6.00	7.30	7.40	8.55	....	8.59	8.62	8.25	5.41
25	5.87	5.13	4.99	6.30	7.46	7.65	8.69	9.19	8.80	8.66	7.87	5.55
Eom	4.50	4.83	5.72	6.52	7.66	....	8.81	9.30	8.93	8.71	7.78	4.90

1958

5	5.69	4.73	4.80	....	3.95	....	6.71	....	6.77	7.38	....	7.08
10	6.09	5.09	5.41	4.23	2.44	6.27	6.86	6.94	7.13	7.60	6.96	7.26
15	....	5.62	4.50	4.09	....	6.49	6.94	7.22	7.33	7.77	7.10	7.39
20	5.17	5.78	3.00	....	....	6.73	7.18	7.44	7.34	7.94	7.28	7.46
25	5.37	6.03	3.69	....	....	....	5.20	7.56	7.34	6.32	7.47	6.89
Eom	4.80	3.48	3.40	....	....	6.15	6.03	6.12	7.35	6.92	7.15	4.16

Corrected measurements.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 24, 1949	4.96	Jan. 3, 1950	7.47	July 3, 1950	8.07	Feb. 26, 1951	6.42
Aug. 9	9.02	9	7.66	10	7.91	Mar. 5	6.95
16	9.02	16	7.80	17	6.67	12	7.13
22	9.12	23	7.71	31	7.78	19	7.14
29	8.87	30	7.79	Aug. 14	7.97	26	6.32
Sept. 6	8.06	Feb. 13	7.06	21	8.40	Apr. 2	6.54
7	8.10	23	6.70	28	8.56	9	6.50
12	8.34	27	6.86	Sept. 5	8.79	16	6.81
19	7.92	Mar. 6	7.15	11	8.90	20	7.05
26	8.30	13	7.23	18	8.98	23	7.12
Oct. 2	8.16	20	6.98	25	8.53	May 1	7.22
10	8.39	27	5.31	Oct. 4	8.57	7	7.33
16	8.59	Apr. 3	6.09	16	8.98	14	7.55
20	8.62	10	6.87	24	9.14	21	7.53
24	9.70	17	6.96	Nov. 3	9.25	28	5.99
31	6.54	24	7.13	24	10.45	June 5	6.86
Nov. 2	4.60	May 1	7.03	Dec. 26	7.16	11	3.06
7	6.02	8	7.22	Jan. 2, 1951	7.26	18	5.41
14	6.64	15	7.19	8	6.83	25	6.30
21	7.07	22	7.30	15	6.76	July 2	6.28
28	7.23	29	6.49	22	7.21	9	6.86
Dec. 5	7.00	June 5	7.03	29	7.26	16	7.25
12	7.38	12	7.45	Feb. 5	7.10	23	6.74
19	7.53	19	7.62	12	6.46	30	7.15
26	7.50	26	7.90	19	6.42	Aug. 7	7.40

Wi-Cf 3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 13, 1951	7.42	May 2, 1952	4.92	Jan. 30, 1953	5.33	Oct. 30, 1953	8.58
20	7.55	9	5.95	Feb. 6	5.87	Nov. 6	8.52
27	7.78	16	6.42	13	5.57	13	8.59
Sept. 1	7.89	23	6.72	20	4.74	20	8.66
7	8.02	30	6.81	27	5.05	27	8.16
14	8.28	June 6	5.50	Mar. 6	4.99	Dec. 4	8.26
21	8.04	13	6.39	13	3.15	11	8.26
28	8.25	20	6.93	20	4.26	18	6.90
Oct. 5	8.30	27	7.16	27	4.34	23	7.22
12	7.96	July 3	7.42	Apr. 3	5.09	30	7.44
19	8.12	11	7.60	10	4.34	Jan. 8, 1954	7.78
26	8.29	18	7.72	17	3.70	15	7.78
Nov. 2	8.30	25	8.01	24	5.02	26	5.67
9	5.25	Aug. 4	6.68	May 1	5.56	Feb. 2	6.07
16	6.15	3	4.23	8	5.99	25	6.74
23	6.65	15	3.87	15	6.42	Mar. 24	6.25
30	6.53	22	5.04	22	6.66	May 1	7.14
Dec. 7	6.75	29	6.04	29	7.00	June 29	10.00
14	6.99	Sept. 5	6.67	June 5	7.19	July 23	8.34
21	3.43	12	7.00	12	7.44	26	8.45
28	5.08	19	7.30	19	7.62	Aug. 1	8.62
Jan. 4, 1952	5.91	26	7.53	26	7.86	6	8.74
11	5.10	Oct. 3	7.79	July 3	8.01	12	8.99
18	5.48	10	7.92	10	8.22	Sept. 13	6.52
Feb. 1	4.23	17	8.10	17	8.42	Oct. 1	7.92
8	4.27	24	8.23	24	8.01	Nov. 1	8.46
11	4.44	31	8.36	31	8.41	Dec. 4	7.79
15	5.34	Nov. 7	8.50	Aug. 7	8.54	Jan. 4, 1955	6.61
18	4.43	14	8.60	14	4.70	11	7.00
26	5.39	21	7.46	21	4.97	Feb. 1	7.41
Mar. 5	3.65	28	6.00	28	6.06	5	7.50
7	4.22	Dec. 5	6.19	Sept. 4	6.70	Mar. 2	5.16
14	4.44	12	4.71	11	7.10	30	6.02
21	4.72	19	6.06	18	7.51	Apr. 29	6.78
28	3.89	24	5.32	25	7.73	June 1	7.77
Apr. 4	5.18	Jan. 7, 1953	5.32	Oct. 2	7.98	July 13	6.61
11	5.73	9	4.16	9	8.13	Sept. 7	5.58
18	6.37	16	4.75	16	8.32	28	5.93
25	5.25	23	4.99	23	8.44	Nov. 9	6.27

References

Bennett, Robert R., and Meyer, Rex R., 1952, Geology and ground-water resources of the Baltimore area: Maryland Dept. of Geology, Mines and Water Resources, Bull. 4.

MISSISSIPPI

By B. E. Wasson and J. A. Callahan

The statewide observation-well program in Mississippi begun in 1938 was continued until June 30, 1956, in cooperation with the State Geological Survey, and thereafter in cooperation with the State Board of Water Commissioners. Figure 9 shows the location of observation wells included in this report.

Well-Numbering System

Observation wells in Mississippi are listed alphabetically by counties. In each county, grids are designated alphabetically beginning with A in the upper left corner. The grid lines follow township lines, except for areas smaller than half a township. These are included with an adjoining township. Consecutive well numbers are used in each grid. Thus, each complete well number consists of the county name, the grid letter, and a numeral.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum unless otherwise indicated.

Attala County

K22. Town of Sallis. Illinois Central RR. and Highway 429. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 35, T. 14 N., R. 5 E. Drilled public-supply artesian well in sand of Tallahatta formation, diam 2 in, reported depth 356 ft, cased to 300. Lsd about 280 ft above msl. MP top edge of 1-in union, at lsd. Highest water level 30 above lsd, 1913; lowest 2.81 above lsd, June 19, 1957. Records available: 1913, 1957-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1913	+30	Dec. 20, 1957	+2.95	May 21, 1958	+3.02	Oct. 18, 1958	+2.90
June 19, 1957	2.81	Mar. 13, 1958	3.00	Aug. 9	3.00	Nov. 28	2.95

Bolivar County

D117. Town of Shelby. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 12, T. 24 N., R. 6 W. Drilled public-supply artesian well in Meridian sand member of Tallahatta formation, diam 4 in, reported depth 1, 650 ft, cased to about 1, 630, screened about 1, 630-1, 650. Lsd 153.58 ft above msl. MP top of 4-in elbow in discharge line, 2.00 ft above lsd. Highest water level 20.6 above lsd, June 1, 1939; lowest 4.22 below lsd, Oct. 8, 1957. Records available: 1939-46, 1948, 1950-58.

Feb. 1, 1956	+1.38	Mar. 7, 1957	+0.46	Jan. 7, 1958	-0.01	July 9, 1958	-1.14
Aug. 21	.99	July 9	-2.56	Apr. 17	.18	Oct. 17	.18
Nov. 20	.28	Oct. 8	4.22				

J135. Town of Beulah. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 22 N., R. 8 W. Drilled public-supply artesian well in Meridian sand member of Tallahatta formation, diam 8 in, depth 1, 760 ft, screened 1, 710-1, 760. Lsd 146.31 ft above msl. MP top of 4-in elbow at wellhead, 1.40 ft above lsd. Highest water level 30.3 above lsd, Apr. 2, 1942; lowest 16.4 above lsd, July 10, 1958. Records available: 1939-58.

Feb. 3, 1956	+20.3	Mar. 7, 1957	+19.9	Jan. 7, 1958	+17.9	July 10, 1958	+16.4
May 8	20.0	July 3	18.4	Apr. 16	19.4	Oct. 14	16.4
Nov. 21	17.6	Oct. 8	17.9				

O10. R. C. Mouton. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 21 N., R. 7 W. Driven unused water-table well in alluvium of Pleistocene age, diam 1 $\frac{1}{2}$ in, depth 32 ft, cased to 28, screened 28-32. Lsd about 125 ft above msl. MP top of casing, 2.50 ft above lsd. Highest water level 4.76 below lsd, May 13, 1958; lowest 18.73 below lsd, Sept. 17, 1958. Records available: 1954-58. Affected by seasonal irrigation pumping.

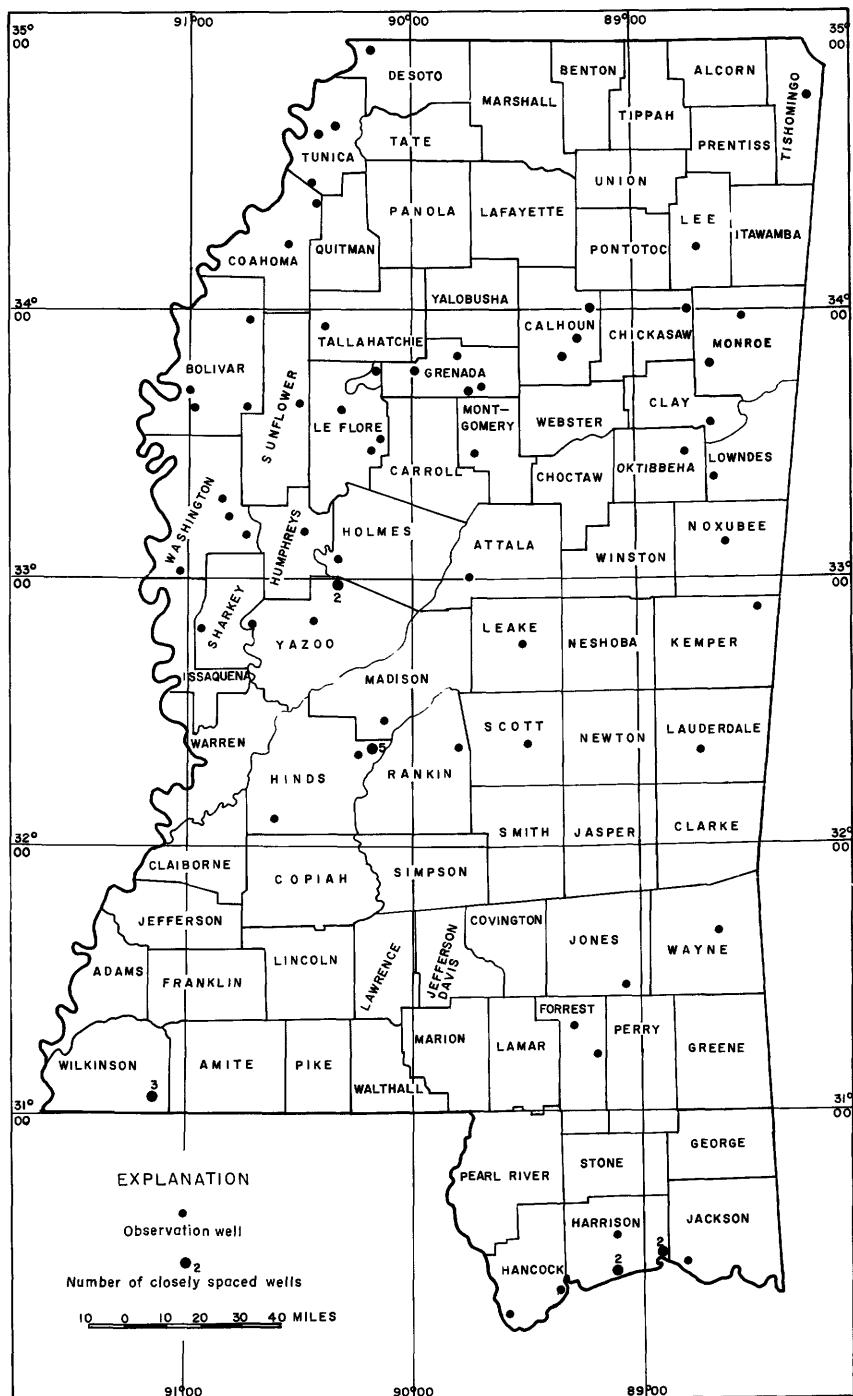


Figure 9.--Location of observation wells in Mississippi, 1956-58.

O10--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1956	15.53	Dec. 19, 1956	16.61	Nov. 7, 1957	13.24	June 10, 1958	11.65
Feb. 2	14.78	Mar. 7, 1957	13.45	Dec. 10	9.43	July 10	17.11
Apr. 5	11.71	Apr. 12	12.09	Jan. 7, 1958	8.37	Aug. 13	c21.54
May 8	11.23	May 21	10.97	Feb. 11	7.61	Sept. 17	18.73
Aug. 22	c24.66	July 3	13.37	Mar. 26	6.40	Oct. 14	13.69
Sept. 26	c19.32	Aug. 8	c17.74	Apr. 16	6.48	Nov. 13	10.32
Oct. 24	18.01	Sept. 11	c21.66	May 13	4.76	Dec. 17	8.44
Nov. 21	17.43	Oct. 8	15.58				

c Nearby well being pumped.

Q150. Jones Bayou Gin Association. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 21 N., R. 5 W. Drilled domestic artesian well in Meridian sand member of Tallahatta formation, diam 3 to 2 in, depth 1,310 ft, cased to 1,310. Lsd 133.66 ft above msl. MP top of 3-in coupling, at lsd. Highest water level 20.1 above lsd, May 30, 1939; lowest 5.3 above lsd, Feb. 2, 1954. Records available: 1939-58.

Feb. 1, 1956	+7.38	Mar. 7, 1957	+7.50	Jan. 7, 1958	+9.1	July 10, 1958	+10.7
Aug. 22	7.04	July 9	8.44	Apr. 15	9.3	Oct. 14	9.8
Nov. 21	7.40	Oct. 9	7.25				

Calhoun County

E4. D. R. Davis. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 12 S., R. 1 E. Drilled unused artesian well in sand of upper part of Eutaw formation, diam 11 in, depth 8,390 ft, cased to 1,800, perforated 1,200-1,280, 1,350-1,390. Lsd 369 ft above msl. MP top of casing, 1.20 ft below lsd. Highest water level 129.37 below lsd, May 16, 1958; lowest 129.85 below lsd, Dec. 5, 1958. Records available: 1958. Well was an unsuccessful oil test that was converted to a water well. May 16, 129.37; Oct. 15, 129.74; Dec. 5, 129.85.

K3. Derma School. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 15, T. 14 S., R. 1 W. Drilled unused artesian well in sand and gravel of Tuscaloosa group, diam 4 in, reported depth 1,807 ft, cased to 1,787. Lsd about 285 ft above msl. MP top of casing, at lsd. Highest water level 66.50 below lsd, May 16, 1958; lowest 67.06 below lsd, June 18, 1958. Records available: 1957-58. Dec. 13, 1957, 66.55; May 16, 1958, 66.50; June 18, 67.06; Oct. 15, 67.00; Dec. 5, 67.00.

K101. Calhoun City. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 23 N., R. 9 E. Drilled public-supply artesian well in sand and gravel of Tuscaloosa group, diam 12 in, depth 1,898 ft, cased to 1,858. Lsd about 270 ft above msl. MP top of air vent in north side of pump base, 1.30 ft above lsd. Highest water level 42.75 below lsd, Mar. 14, 1957; lowest 48.94 below lsd, May 16, 1958. Records available: 1955-58. Affected by pumping.

Mar. 20, 1956	46.11	Oct. 17, 1956	b48.55	Dec. 13, 1957	b47.70	Oct. 15, 1958	43.99
May 17	45.23	Mar. 14, 1957	42.75	May 16, 1958	b48.94	Dec. 5	b45.65

b Well pumped recently.

Chickasaw County

D101. Town of Okolona. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 12 S., R. 5 E. Drilled unused artesian well in sand of Eutaw formation, diam 8 in, reported depth 550 ft, cased to 530. Lsd about 320 ft above msl. MP top of casing, at lsd. Highest water level 84.60 below lsd, July 9, 1940; lowest 115.38 below lsd, Apr. 19, 1957 (previously reported 124.00 below lsd, Mar. 5, 1954). Records available: 1940, 1954-58. Affected by pumping.

May 17, 1956	105.29	Apr. 19, 1957	115.38	Feb. 13, 1958	c11.78	Sept. 30, 1958	c17.15
Oct. 17	113.24	Oct. 31	c10.05	Apr. 30	c120.71	Oct. 17	113.29
Mar. 14, 1957	c120.82	Dec. 13	c10.55	July 22	114.73	Dec. 4	103.87

c Nearby well being pumped.

Clay County

H12. Burgin Brothers. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 17 S., R. 6 E. Drilled domestic artesian well in sand and gravel of Tuscaloosa group, diam 4 in, reported depth 700 ft, cased 0-400. Lsd 1.94 ft above msl. MP mouth of pitcher pump, 3.00 ft above lsd. Highest water level 11.0 above lsd, June 6, 1940; lowest 0.47 below lsd, Sept. 30, 1958. Records available: 1940, 1954, 1958. June 6, 1940, +11.0; 1954, +5.0; July 22, 1958, +1.53; Sept. 30, -0.47; Dec. 3, +0.11.

Coahoma County

C111. Norfleet & Wilsford. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 7, T. 29 N., R. 2 W. Drilled domestic artesian well in sand of Wilcox formation, diam 3 to 2 in, depth 1,821 ft, screened 1,781-1,821. Lsd 180, 88 ft above msl. MP top of 3-in tee, 1.00 ft above lsd. Highest water level 40.8 above lsd, July 26, 1940; lowest 21.2 above lsd, July 9, 1958. Records available: 1940-58.

Date	Water level						
Feb. 1, 1956	+23.7	Mar. 5, 1957	+24.8	Jan. 7, 1958	+25.0	July 9, 1958	+21.2
Aug. 21	23.8	July 10	25.0	Apr. 17	21.4	Oct. 17	21.5
Nov. 20	24.3	Oct. 9	23.7				

E132. Coahoma County Agricultural High School. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 28 N., R. 4 W. Drilled school-supply artesian well in sand of Wilcox formation, diam 4 in, depth 2,000 ft, cased to 1,960. Lsd 176, 74 ft above msl. MP top of 4-in tee at lsd or faucet at canning building, 1.50 ft above lsd. Highest water level 44.9 above lsd, June 24, 1940; lowest 20.5 above lsd, Oct. 17, 1958. Records available: 1940-58.

Feb. 1, 1956	+24.1	Mar. 5, 1957	+23.5	Oct. 8, 1957	+24.2	July 9, 1958	+28.5
Aug. 20	25.2	July 10	26.5	Jan. 7, 1958	24.9	Oct. 17	20.5
Nov. 20	24.3						

De Soto County

A103. H. P. Sullivan. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, T. 1 S., R. 9 W. Drilled unused artesian well in sand of Wilcox formation, diam 4 to 2 in, depth 1,525 ft, cased to 1,485. Lsd 205 ft above msl. MP top of 2-in drop pipe, 3,30 ft above lsd. Highest water level 16.25 above lsd, July 15, 1939; lowest 14.90 below lsd, Oct. 25, 1956. Records available: 1939, 1955-58.

Feb. 1, 1956	11.81	Dec. 18, 1956	14.08	Oct. 9, 1957	11.68	May 14, 1958	9.72
Apr. 4	10.30	Mar. 6, 1957	11.48	Dec. 10	10.59	June 11	10.04
Aug. 21	13.92	June 22	10.97	Jan. 8, 1958	10.37	July 9	11.88
Sept. 25	14.82	July 10	11.07	Feb. 12	10.69	Aug. 12	10.46
Oct. 25	14.90	Aug. 7	11.59	Mar. 13	10.72	Oct. 17	11.20
Nov. 20	14.61	Sept. 10	11.85	Apr. 11	10.35	Nov. 14	11.24

Forrest County

D130. City of Hattiesburg. Community Center Bldg. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, T. 4 N., R. 13 W. Drilled unused artesian well in Catahoula sandstone, diam 10 in, depth 390 ft, screened 310-390. Lsd 151, 76 ft above msl. MP top edge of discharge pipe, 7.75 ft above lsd. Highest water level 7.25 above lsd, June 12, 1950; lowest 5.93 below lsd, Dec. 10, 1958. Records available: 1940-54, 1956-58.

Nov. 8, 1956	2.43	Mar. 21, 1957	2.47	Nov. 12, 1957	4.41	Aug. 1, 1958	4.93
Jan. 14, 1957	4.05	Apr. 6	3.27	Mar. 3, 1958	4.42	4	5.02
Feb. 10	2.47	June 18	4.57	May 2	4.73	Dec. 10	5.93

G116. U. S. Government-Mississippi National Guard, Camp Shelby. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 3 N., R. 12 W. Drilled observation artesian well in sand of Hattiesburg formation, diam 4 to 3 in, depth 416 ft, screened 382-392. Lsd 258, 44 ft above msl. MP top of 4-in casing flange, 2.00 ft above lsd. Highest water level 122.08 below lsd, Apr. 2, 1954; lowest 134.75 below lsd, Sept. 29, 1945. Records available: 1943-45, 1954-58. Occasional pumping nearby.

Jan. 6, 1956	124.4	Mar. 7, 1956	123.7	May 5, 1956	123.6	Nov. 12, 1957	124.9
9	124.4	11	123.4	6	123.6	Mar. 3, 1958	124.5
16	124.3	18	123.3	Aug. 24	125.8	Apr. 1	124.0
23	124.2	25	123.4	Oct. 18	124.2	May 2	124.3
Feb. 4	124.1	Apr. 1	123.4	Nov. 8	126.5	June 15	124.8
10	123.7	8	123.4	Mar. 21, 1957	125.5	Aug. 12	125.0
16	123.7	15	123.4	June 19	124.5	Oct. 13	124.9
20	123.7	22	123.5	Aug. 30	125.9	Dec. 9	125.3
27	123.7						

Grenada County

B103. U. S. Government. Grenada Reservoir. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 29, T. 23 N., R. 5 E. Drilled unused artesian well in Meridian sand member of Tallahatta formation, diam 12 to 8 in, depth 282 ft, screened 227-257. Lsd 207, 07 ft above msl. MP top of south side of concrete base, 1.20 ft above lsd. Highest water level 5.46 below lsd, Apr. 24, 1955; lowest 30.08 below lsd, Oct. 28, 1942. Records available: 1942, 1954-58. Affected by stage of Grenada Reservoir; well is 0.5 mile below dam.

B103--Continued.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	17.3	12.4	11.4	....	10.0	11.6	12.8	14.6	....	17.9	....
10	14.6	12.6	10.1	....	10.4	11.8	13.0	15.0	....	18.4	....
15	13.6	12.2	9.5	....	10.6	12.0	13.3	15.3	....	18.9	....
20	12.8	11.6	9.4	9.1	10.8	....	13.6	....	17.2	19.2	18.2
25	12.4	11.6	9.5	9.4	11.2	....	14.0	....	17.4	19.2	17.8
Eom	12.4	11.9	9.6	9.7	11.3	....	13.3	....	17.5	19.3	17.5

1957

5	17.4	11.0	9.0	....	....	....	....	10.2	....	15.0	18.6	7.01
10	16.7	10.3	9.0	....	....	....	9.2	10.6	....	15.5	18.6	e6.6
15	16.9	10.0	....	....	....	....	9.2	11.0	e13.1	16.2	16.3	6.4
20	16.8	9.6	....	....	....	....	9.3	11.4	13.3	17.2	11.0	6.4
25	16.5	9.1	....	....	....	....	9.6	11.7	13.9	17.7	8.7	6.4
Eom	13.91	9.1	....	....	....	....	9.9	11.2	14.5	18.0	7.5	6.5

1958

5	6.4	9.3	....	12.2	7.7	6.3	7.5	9.3	13.3	10.9	13.5	17.8
10	7.4	9.8	....	12.6	6.7	6.4	7.6	9.9	14.2	10.8	14.2	18.4
15	7.9	....	12.3	12.8	6.2	6.7	8.0	10.4	14.9	11.2	14.9	18.8
20	8.3	....	12.7	12.9	5.9	6.8	8.5	11.0	14.4	11.5	15.5	18.9
25	8.5	....	12.7	13.1	5.9	6.9	9.1	11.6	11.9	12.1	16.0	19.1
Eom	8.7	....	12.3	10.4	6.1	7.1	9.2	12.6	11.3	12.9	17.0	19.0

e Estimated.

F112. Holcomb School. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16, T. 22 N., R. 3 E. Drilled school-supply artesian well in sand of Wilcox formation, diam 3 in, depth 983 ft, screened 943-983. Lsd 183.14 ft above msl. MP top of 3-in tee, 1.40 ft above lsd. Highest water level 30.4 above lsd, July 31, 1941; lowest 14.3 above lsd, Nov. 3, 1955. Records available: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	+14.6	Nov. 19, 1956	+15.0	Oct. 7, 1957	+14.9	July 10, 1958	+15.0
May 17	16.0	Mar. 4, 1957	15.7	Jan. 7, 1958	17.2	Oct. 17	15.2
Aug. 20	14.7	July 2	15.5				

H111. E. T. Hill. Old Camp McCain. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T. 21 N., R. 5 E. Drilled domestic artesian well in sand of Wilcox formation, diam 8 in, depth 504 ft, screened 421-502. Lsd 208.69 ft above msl. MP top of 1 $\frac{1}{2}$ -in ell at wellhead, 4.50 ft above lsd. Highest water level 15.50 above lsd, Jan. 2, 1943; lowest 8.1 above lsd, Jan. 9, 1958. Records available: 1943, 1954-58. Mar. 20, 1956, +9.15; Nov. 6, 1957, +8.13; Jan. 9, 1958, +8.1; May 16, +8.7.

H113. J. W. Willis, Sr. Old Camp McCain. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 21 N., R. 5 E. Drilled unused artesian well in Meridian sand member of Tallahatta formation, diam 12 to 10 in, depth 216 ft, screened 161-211. Lsd 216.70 ft above msl. MP top of air vent hole, 3.40 ft above lsd. Highest water level 10.56 below lsd, Oct. 19, 1958; lowest 15.74 below lsd, Nov. 6, 1957. Records available: 1954-58. Mar. 20, 1956, 11.74; Oct. 17, 12.89; July 10, 1957, 12.39; Sept. 17, 12.11; Nov. 6, 15.74; Jan. 9, 1958, 10.92; Oct. 19, 10.56.

Hancock County

K74. Waveland Drug Co. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 10, T. 9 S., R. 14 W. Drilled domestic artesian well in Graham Ferry formation, diam 4 in, reported depth 950 ft, cased to 910. Lsd 20.2 ft above msl. MP top of 4-in tee, 2.80 ft above lsd. Highest water level 65 above lsd, 1910; lowest 19.1 above lsd, June 19, 1956. Records available: 1910, 1939, 1956-58.

1910	+65	Oct. 18, 1956	+19.8	Mar. 27, 1957	+21.3	Nov. 13, 1957	+19.8
May 20, 1939	38.7	Nov. 8	19.9	June 17	19.8	Dec. 10, 1958	19.8
June 19, 1956	19.1		.				

L73. State Highway Dept. Magnolia Memorial Roadside Park. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12, T. 9 S., R. 16 W. Drilled park-supply artesian well in Graham Ferry formation, diam 3 in, reported depth 675 ft, cased to 635. Lsd about 20 ft above msl. MP top of 3-in steel pipe, 2.90 ft above lsd. Highest water level 10.7 above lsd, June 19, 1956; lowest 8.4 above lsd, Aug. 23, 1956. Records available: 1956-58. June 19, 1956, +10.7; Aug. 23, +8.4; Nov. 8, +9.1; June 17, 1957, +8.7; Nov. 13, +8.8; Aug. 18, 1958, +8.6; Dec. 10, +8.5.

Harrison County

G121. U. S. Fish and Wildlife Service. Lyman Fish Hatchery. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 17, T. 6 S., R. 11 W. Drilled unused artesian well in Graham Ferry formation, diam 3 in, depth 456 ft, screened 416-456. MP top of casing, 0, 40 ft above lsd. Highest water level 10.0 below lsd, Apr. 14, 1939; lowest 29.02 below lsd, Nov. 8, 1956. Records available: 1939, 1954-58.

Affected by pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2, 1956	26.27	Mar. 21, 1957	27.87	Nov. 12, 1957	28.56	Aug. 1, 1958	28.06
May 14	27.58	June 18	26.09	Mar. 28, 1958	26.32		27.28
Oct. 18	c29.40	Aug. 30	27.45	May 19	26.90	Dec. 10	27.92
Nov. 8	29.02						

c Nearby well being pumped.

L154. U. S. Post Office Dept. Gulfport. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 9, T. 8 S., R. 11 W. Drilled unused artesian well in Graham Ferry formation, diam 3 in, depth 1,262 ft, screened 1,232-1,262. Lsd 19.62 ft above msl. MP top of 3-in tee, 1.70 ft above lsd. Highest water level 27.1 above lsd, Jan. 31, 1940; lowest 5.0 above lsd, May 14, 1958. Records available: 1928, 1939-50, 1954-58.

May 14, 1956	+7.2	Nov. 9, 1956	+6.9	Aug. 30, 1957	+7.9	June 4, 1958	+5.5
June 19	6.5	Mar. 21, 1957	7.0	Nov. 13	6.9	Aug. 18	6.7
Oct. 18	6.5	June 17	6.3	May 14, 1958	5.0	Dec. 10	6.4

L172. Gulfport Municipal Harbor. South end of main pier. Drilled public-supply artesian well in Graham Ferry formation, diam 4 in, depth 800 ft, cased to 760. Lsd 7.62 ft above msl. MP top of 4-in tee, 2.00 ft above lsd. Highest water level 38.0 above lsd, Mar. 16, 1939; lowest 15.5 above lsd, June 17, 1957. Records available: 1939, 1956-58.

June 20, 1956	+23.2	Nov. 9, 1956	+18.1	Nov. 12, 1957	+24.0	Aug. 18, 1958	+22.4
Aug. 23	21.8	June 17, 1957	15.5	Aug. 1, 1958	19.0	Dec. 10	23.5
Oct. 18	24.0						

M120. City of Biloxi. 1332 West Howard Ave. Drilled unused artesian well in Graham Ferry formation, diam 8 in, reported depth 928 ft, sounded to 660. Lsd 21.28 ft above msl. MP top of 8-in flange, 3.00 ft above lsd. Highest water level 44 above lsd, 1903; lowest 30, 85 below lsd, June 24, 1954. Records available: 1903, 1945-46, 1954-58. Affected by nearby pumping.

Highest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.5	6.9	6.8	10.0	...	18.0	17.6	17.5	19.6	14.3	14.3	8.8
10	6.9	7.6	6.9	9.6	...	20.6	14.6	20.8	15.9	14.4	12.0	8.2
15	7.2	6.1	7.3	...	...	16.0	16.0	19.5	18.2	13.6	10.6	8.2
20	7.7	5.5	7.3	...	14.9	16.2	18.0	20.2	17.9	13.4	10.1	7.5
25	7.2	6.8	7.1	...	18.0	17.8	18.7	20.7	13.4	13.5	8.4	6.9
Eom	7.5	7.8	8.8	...	17.8	17.6	18.1	20.8	15.0	11.6	9.2	6.9
1957												
5	6.2	.8	e6.4	6.4	...	...	18.4	17.7	17.4	13.1	7.9	6.5
10	7.3	.0	...	6.8	...	...	15.7	17.8	15.6	11.5	8.9	5.8
15	7.4	.6	...	7.6	...	...	12.8	17.7	14.6	10.0	7.0	5.6
20	6.4	.6	...	...	...	15.2	14.3	18.6	14.4	9.2	7.4	5.3
25	7.1	.0	6.0	...	...	14.7	16.5	18.9	14.2	9.2	6.1	4.8
Eom	6.8	6.6	5.8	...	...	15.6	17.5	17.2	11.4	8.7	6.5	4.0
1958												
5	4.4	5.5	5.8	7.0	8.6	7.0	6.4	14.1	12.6	10.7	8.0	8.4
10	4.9	6.1	4.6	6.4	9.3	7.0	...	13.5	12.2	10.5	8.0	8.1
15	6.0	6.1	5.3	5.3	8.5	7.9	...	15.2	11.6	11.0	8.7	7.4
20	4.7	6.2	5.9	5.6	e7.0	6.7	18.1	13.1	13.0	9.1	9.7	8.6
25	5.1	5.2	5.0	8.4	e8.5	6.2	15.0	13.1	12.8	10.8	8.7	6.8
Eom	5.7	5.3	4.9	8.4	...	7.9	15.8	13.6	12.0	9.4	8.2	6.9

e Estimated.

M131. City of Biloxi. Community House, 301 East Beach St. Drilled public-supply artesian well in Graham Ferry formation, diam 2 $\frac{1}{2}$ in, depth 440 ft, screened 400-440. Lsd 12.58 ft above msl. MP top of 2 $\frac{1}{2}$ -in cross, 2.20 ft above lsd. Highest water level 30 above lsd, 1911; lowest 4.78 above lsd, Dec. 11, 1958. Records available: 1911, 1939, 1940, 1956-58.

Date	Water level						
1911	+30	June 21, 1956	+6.55	Mar. 22, 1957	+6.71	Aug. 18, 1958	+5.75
Feb. 21, 1939	20.4	Oct. 18	5.53	June 17	6.50	Dec. 11	4.78
Feb. 9, 1940	18.4	Nov. 9	5.10	Nov. 13	6.20		

Hinds County

G125. Country Club of Jackson. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, T. 6 N., R. 1 W. Drilled unused artesian well in Sparta sand, diam 6 in, depth 862 ft, cased to 802. Lsd 369.34 ft above msl. MP top of 4-in coupling, 0.50 ft above lsd. Highest water level 160 below lsd, 1928; lowest 231.52 below lsd, Sept. 25, 1958. Records available: 1928, 1944-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1956	227.14	Dec. 14, 1956	227.08	Sept. 17, 1957	231.24	May 22, 1958	226.10
Feb. 15	226.36	Jan. 14, 1957	226.65	Oct. 17	228.91	June 24	228.57
Mar. 19	225.80	Feb. 14	225.93	Nov. 19	227.54	July 16	229.54
May 9	223.15	Mar. 11	225.39	Dec. 18	227.67	Aug. 14	231.30
June 7	226.92	Apr. 15	224.97	Jan. 15, 1958	227.43	Sept. 25	231.52
28	226.67	May 21	226.39	Feb. 27	226.94	Oct. 22	231.44
Aug. 13	229.46	June 14	227.20	Apr. 2	225.46	Nov. 17	229.74
Oct. 11	229.53	July 16	229.31	22	225.43	Dec. 22	229.80
Nov. 13	228.45	Aug. 14	231.14				

H92. Mississippi Power & Light Co. NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17, T. 6 N., R. 1 E. Drilled unused artesian well in Meridian sand member of Tallahatta formation, diam 2 in, depth 1,486 ft, screened 1, 444-1, 486. Lsd about 348 ft above msl. MP top of casing, 1.40 ft above lsd. Highest water level 69.63 below lsd, Feb. 13, 1957; lowest 72.41 below lsd, Dec. 31, 1956. Records available: 1956-58.

Dec. 31, 1956	72.41	July 17, 1957	71.00	Dec. 19, 1957	70.83	May 22, 1958	71.02
Feb. 13, 1957	69.63	Aug. 13	71.17	Jan. 16, 1958	71.02	June 24	70.99
Mar. 11	70.40	Sept. 10	71.56	Feb. 28	70.85	July 16	71.22
Apr. 12	70.90	Oct. 24	71.01	Apr. 2	70.94	Aug. 14	71.32
May 16	70.82	Nov. 20	71.00	24	70.96	Sept. 25	71.35
June 15	71.86						

H121. Virginia-Carolina Chemical Co. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 27, T. 6 N., R. 1 E. Drilled unused artesian well in Sparta sand, diam 6 in, depth 700 ft, cased to 660. Lsd 334.12 ft above msl. MP top of concrete curb on north side, 1.00 ft above lsd. Highest water level 142.73 below lsd, Sept. 11, 1944; lowest 134.04 below lsd, Nov. 19, 1958. Records available: 1944-45, 1947, 1949-58.

Aug. 13, 1956	181.06	Mar. 12, 1957	181.33	Oct. 24, 1957	183.00	May 22, 1958	181.50
Sept. 10	181.43	Apr. 12	181.10	Nov. 20	182.89	June 24	181.50
Oct. 11	181.74	May 22	180.71	Dec. 19	182.73	July 16	181.89
Nov. 13	182.17	June 14	180.07	Jan. 16, 1958	182.02	Aug. 14	182.32
Dec. 14	182.88	July 17	181.15	Feb. 28	182.14	Sept. 25	183.07
Jan. 14, 1957	182.04	Aug. 13	182.07	Apr. 2	181.99	Oct. 23	183.68
Feb. 13	181.77	Sept. 10	182.68	24	181.77	Nov. 19	184.04

H160. Colonial Country Club. SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 6 N., R. 2 E. Drilled unused artesian well in Sparta sand, diam 6 in, depth 700 ft, cased to 660. Lsd about 305 ft above msl. MP bottom of notch in casing, 1.48 ft below lsd. Highest water level 136.73 below lsd, Mar. 30, 1954; lowest 149.3 below lsd, Oct. 28, 1958. Records available: 1954-58. Affected by nearby pumping.

Jan. 23, 1956	142.9	Mar. 19, 1956	142.2	June 6, 1956	143.4	Oct. 11, 1956	146.1
30	143.0	Apr. 3	142.1	15	143.4	Nov. 13	145.5
Feb. 12	142.2	19	142.0	July 9	143.5	Dec. 5	144.7
15	142.1	May 1	142.7	28	144.8	27	143.7
Mar. 1	142.4	17	142.8	Aug. 13	145.3		

Highest water level for the day, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	143.4	143.0	142.4	142.0	142.8	144.0	145.2	146.8	147.7	146.8	.....	144.7
10	143.2	142.9	142.5	141.9	143.0	144.0	145.7	147.3	147.6	e146.6	.....	144.6
15	143.2	142.9	142.5	142.0	143.3	144.4	146.0	147.6	e147.5	e146.6	145.3	144.6
20	143.3	142.9	142.8	142.3	143.6	144.7	146.0	147.6	e147.6	146.6	145.0	.....
25	143.2	142.8	142.5	142.4	143.8	144.8	146.0	147.9	e147.6	146.6	144.6	.....
Eom	143.0	142.5	142.4	143.1	144.1	e144.9	146.4	148.2	147.1	e146.4	144.6	.....

1958

5	.....	144.0	144.0	143.2	142.9	145.1	146.2	146.9	148.2	148.7	148.9	147.9
10	.....	144.1	143.7	143.3	.....	145.1	146.1	147.4	148.3	148.8	148.8	148.0
15	.....	144.1	143.5	143.2	.....	145.4	146.5	147.6	148.4	148.9	148.4	147.9
20	143.9	144.0	143.5	142.8	.....	145.3	146.7	147.6	148.5	149.0	148.4	148.0
25	143.9	144.1	143.2	143.4	144.3	145.4	146.7	147.5	148.6	149.1	148.3	147.8
Eom	143.8	144.1	143.3	142.5	144.6	145.8	146.7	147.9	148.6	149.2	148.0	147.5

e Estimated.

N139. Mississippi Cotton Oil Co. Jackson. NE₄SW₄ sec. 4, T. 5 N., R. 1 E. Drilled unused artesian well in Sparta sand, diam 10 to 6 in, depth 734 ft, cased to 714. Lsd 282.1 ft above msl. MP top of recorder floor, 1.45 ft above lsd. Highest water level 132.5 below lsd, Aug. 7, 1944; lowest 168.98 below lsd, Sept. 30, 1955. Records available: 1944, 1954-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	143.4	149.9	150.6	146.8	147.1	149.3	153.8	155.8	146.2	143.1
10	142.6	147.1	146.1	150.4	147.4	148.0	155.9	150.3	152.0	147.6	142.8
15	143.5	145.1	144.9	152.1	149.7	148.2	152.4	156.4	148.5	148.3	143.6
20	144.7	143.8	142.6	147.9	148.7	150.2	153.6	149.1	155.0	152.7	144.4
25	144.1	147.5	142.3	147.8	155.2	146.7	153.5	155.0	151.8	151.7	143.1
Eom	146.8	146.6	149.4	153.0	152.9	149.9	157.1	150.8	149.7	144.6	139.0

1957

5	139.9	140.6	140.7	144.0	145.8	149.0	150.7	151.8	156.8	150.1	143.4	.....
10	140.1	142.4	140.2	141.7	147.4	149.3	151.3	153.1	154.6	149.5	142.2	.....
15	139.7	142.7	140.3	140.2	149.5	155.4	150.4	155.1	156.1	148.0	141.7	e140.0
20	139.6	140.7	139.1	145.3	148.6	155.2	156.8	153.6	157.0	147.4	141.0	140.6
25	140.9	139.7	138.4	149.2	e152.0	152.7	155.2	.....	155.3	146.5	e140.3	138.8
Eom	142.5	141.4	139.8	148.2	151.3	152.3	153.6	.....	149.6	143.7	.....	137.7

1958

5	137.6	137.1	134.4	137.5	138.6	143.4	143.5	146.4	145.0	142.7	140.2	138.4
10	137.6	135.9	135.2	137.5	139.1	144.0	144.0	146.2	145.7	143.5	139.7	138.3
15	137.3	135.5	135.0	136.7	141.1	145.9	143.5	146.5	145.6	144.2	140.7	137.8
20	137.5	135.2	135.2	138.4	141.3	147.3	144.8	144.9	149.4	144.3	140.2	138.4
25	137.3	134.8	135.4	141.4	142.7	144.9	145.6	144.2	148.3	145.5	139.1	136.9
Eom	137.5	135.2	.....	140.7	145.6	143.2	147.0	143.8	145.2	142.5	139.0	135.1

e Estimated.

N146. Formerly J46. Mississippi Power & Light Co. NE₄NE₄ sec. 10, T. 5 N., R. 1 E. Drilled unused artesian well in Sparta sand, diam 10 in, depth 750 ft, cased to 710. Lsd 280.75 ft above msl. MP top of casing, 1.10 ft above lsd. Highest water level 101.82 below lsd, Jan. 30, 1946; lowest 161.28 below lsd, July 3, 1957. Records available: 1945-47, 1949-50, 1956-58. Affected by nearby pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1956	139.4	June 7, 1956	146.9	Sept. 10, 1956	152.0	Nov. 13, 1956	145.0
Mar. 19	138.8	28	148.6	Oct. 11	151.6	Dec. 14	139.9
May 9	152.3	Aug. 13	149.2				

Highest water level for the day, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	140.6	143.2	.....	157.8	148.4	153.0	.....	145.2	e142.0
10	140.0	142.0	.....	159.8	153.6	152.1	.....	145.0	141.8
15	139.0	150.0	150.1	.....	153.8	.....	.....	.....	141.8
20	139.0	143.2	142.2	157.2	152.8	148.4	.....	146.6	142.6
25	137.9	146.2	154.5	155.4	152.2	144.8	158.1	147.0	e142.0
Eom	138.4	145.8	159.1	158.0	151.5	.....	151.4	145.2	.....

1958

5	.....	140.7	139.0	140.7	.....	148.8	148.3	150.0	150.8	147.5	146.0	144.7
10	.....	137.5	138.7	140.9	.....	149.1	149.2	148.3	150.7	150.1	145.1	144.6
15	e139.0	137.4	139.0	139.6	.....	148.2	149.0	150.6	147.7	150.0	147.1	143.8
20	140.3	137.5	139.1	.....	.....	151.2	147.6	149.6	153.5	147.8	146.1	144.9
25	140.5	137.3	139.1	.....	.....	144.9	149.5	149.3	146.9	152.1	150.0	145.3
Eom	140.8	137.6	138.8	.....	e149.0	e147.4	150.7	147.2	149.2	147.6	143.8	140.6

e Estimated.

S3. Town of Utica. NE₄NW₄ sec. 16, T. 3 N., R. 4 W. Drilled unused artesian well in sand of Cockfield formation, diam 10 in, depth 1,780 ft, screened 1,680-1,780. Lsd about 308 ft above msl. MP top of casing, 1.40 ft above lsd. Highest water level 179.65 below lsd, Feb. 27, 1958; lowest 180.48 below lsd, Sept. 1, 1957. Records available: 1956-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 22, 1956	180.06	May 21, 1957	179.97	Nov. 19, 1957	180.17	Apr. 22, 1958	179.88
Dec. 14	180.11	June 16	180.16	Dec. 19	179.91	June 4	180.14
Jan. 11, 1957	180.18	July 17	180.20	Jan. 15, 1958	179.91	Aug. 14	180.26
Feb. 8	180.00	Aug. 14	180.30	Feb. 27	179.65	Sept. 23	180.20
Mar. 11	179.83	Sept. 16	180.30	Apr. 1	179.85	Nov. 17	180.33
Apr. 12	179.89	Oct. 17	180.25				

Holmes County

P159. M. L. Smith. SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8, T. 14 N., R. 1 W. Drilled public-supply artesian well in Meridian sand member of Tallahatta formation, diam 3 to 2 in, depth 1,597 ft, screened 1,557-1, 597. Lsd 111.72 ft above msl. MP top of 3-in tee, at lsd. Highest water level 139.6 above lsd, July 31, 1941; lowest 114.4 above lsd, May 16, 1955. Records available: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	+116.7	Nov. 19, 1956	+118.6	July 1, 1957	+118.7	July 8, 1958	+118.7
May 16	116.2	Mar. 4, 1957	118.2	Oct. 10	115.7	Oct. 13	118.9
Aug. 20	115.2						

Humphreys County

C110. Wister Henry. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 35, T. 16 N., R. 3 W. Drilled domestic artesian well in Meridian sand member of Tallahatta formation, diam 4 to 2 in, depth 1,627 ft, screened 1,587-1, 627. Lsd 115.21 ft above msl. MP top of 4-in tee, 0.50 ft above lsd. Highest water level 114.3 above lsd, Feb. 1, 1941; lowest 87.2 above lsd, July 9, 1954. Records available: 1939-41, 1944-58.

May 8, 1956	+91.3	Mar. 8, 1957	+91.0	Jan. 8, 1958	+90.0	July 8, 1958	+90.0
Aug. 23	92.1	July 3	91.1	Apr. 15	89.3	Oct. 13	90.0
Nov. 21	91.0	Oct. 10	89.8				

Jackson County

N73. Magnolia State Park. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33, T. 7 S., R. 8 W. Drilled public-supply artesian well in sand of Graham Ferry formation, diam 4 in, depth 536 ft, screened 516-536. Lsd about 21 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 12 above lsd, Apr. 8, 1938; lowest 2.94 below lsd, Dec. 11, 1958. Records available: 1938, 1956-58.

Apr. 8, 1938	+12	Oct. 19, 1956	-1.20	Nov. 13, 1957	-2.08	Aug. 20, 1958	-2.90
June 22, 1956	-1.82	Mar. 22, 1957	1.22	Jan. 16, 1958	1.59	Dec. 11	2.94
Aug. 23	-.22	June 16	1.93				

Jones County

Q108. Town of Covett. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 6 N., R. 10 W. Drilled unused artesian well in Catahoula sandstone, diam 2 in, depth 212 ft, cased 0-30. Lsd about 175 ft above msl. MP top of 2-in ell, 0.80 ft above lsd. Highest water level 4.38 above lsd, Mar. 14, 1940; lowest 1.51 below lsd, Sept. 2, 1957. Records available: 1940-58.

Jan. 4, 1956	-0.10	Dec. 16, 1956	-0.86	Apr. 14, 1957	-0.66	Sept. 29, 1957	-0.30
Mar. 7	+.51	24	.70	June 16	1.34	Nov. 14	.50
Oct. 19	-.59	Feb. 10, 1957	.70	Sept. 2	1.51	May 2, 1958	.72
Nov. 9	-.75	Mar. 22	.66	21	.15	Dec. 11	.18

Kemper County

E108. G. B. Luke. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, T. 12 N., R. 18 E. Drilled unused artesian well in sand of Eutaw formation, diam 4 to 2 in, depth 1,150 ft, perforated 1,050-1, 150. Lsd about 190 ft above msl. MP mouth of pump, 2.70 ft above lsd. Formerly flowed; lowest 8.04 below lsd, Oct. 10, 1958. Records available: 1955-56, 1958. May 18, 1956, 5.52; Oct. 18, 6.94; Oct. 10, 1958, 8.04.

Lauderdale County

M102. U. S. Fish and Wildlife Service. Meridian Fish Hatchery. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 6 N., R. 15 E. Drilled hatchery-supply artesian well in basal sands of Wilcox formation, diam 10 to 8 in, depth 728 ft, screened 693-728. Lsd about 290 ft above msl. MP top of recorder house floor, 6.00 ft above lsd. Highest water level 5.42 above lsd, Dec. 31, 1958; lowest 0.42 above lsd, Aug. 24, 1957. Records available: 1955-58.

Feb. 21, 1956	+0.63	Dec. 17, 1956	+1.76	Oct. 21, 1957	+3.45	Mar. 8, 1958	+5.09
28	2.98	Jan. 1, 1957	3.15	Nov. 14	4.57	May 2	5.12
Apr. 11	2.56	Feb. 26	2.44	30	5.00	July 1	4.78
June 2	3.05	May 4	2.40	Dec. 3	5.15	Oct. 10	4.62
Aug. 25	3.56	7	1.67	23	5.03	31	4.65
Oct. 19	1.83	Aug. 24	.42	Feb. 28, 1958	5.08	Dec. 31	5.42

Leake County

L1. Carthage & Canton RR. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 10 N., R. 8 E. Drilled unused artesian well in sand of Wilcox formation, diam 4 to 2 in, reported depth 700 ft, cased to 680, screened 680-700. MP top of 4-in casing, 2.50 ft above lsd. Highest water level 20.81 below lsd, May 1, 1958; lowest 22.16 below lsd, Sept. 12, 1957. Records available: 1957-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 11, 1957	21.76	Dec. 23, 1957	21.44	Apr. 1, 1958	21.42	July 16, 1958	21.56
Aug. 23	22.06	Jan. 20, 1958	21.64	May 1	20.81	Oct. 10	21.91
Sept. 12	22.16	Mar. 10	21.29	21	21.57	22	21.95

Lee County

L101. U. S. Fish and Wildlife Service. Tupelo Fish Hatchery. NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T. 10 S., R. 6 E. Drilled hatchery-supply artesian well in sand of Eutaw formation, diam 6 in, depth 412 ft, cased to 342. Lsd 262, 3 ft above msl. MP top of air-vent hole on east side, 1.00 ft above lsd. Highest water level 47.11 below lsd, Apr. 15, 1948; lowest 74.56 below lsd, Mar. 5, 1954. Records available: 1948, 1950-58. Affected by pumping.

May 17, 1956	b93.22	Mar. 17, 1957	d91.31	Feb. 13, 1958	d97.74	Sept. 30, 1958	d108.68
Oct. 17	b106.92	Aug. 27	d108.08	Apr. 30	d86.12	Dec. 4	d102.75
Nov. 28	d94.11	Dec. 13	d87.73				

b Well pumped recently.

d Nearby well pumped recently.

Leflore County

L160. Mrs. D. B. Jameson. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 31, T. 21 N., R. 1 W. Drilled domestic artesian well in sand of Tallahatta formation, diam 2 in, depth 816 ft, cased to 816. Lsd 132, 05 ft above msl. MP top of 2-in pipe on well cross, 1.50 ft above lsd. Highest water level 30 above lsd, 1919; lowest 2.8 above lsd, Jan. 6, 1958. Records available: 1919, 1938-58.

Jan. 31, 1956	+7.0	Mar. 6, 1957	+4.9	Jan. 6, 1958	+2.8	July 9, 1958	+4.4
Aug. 20	5.3	July 2	3.1	Apr. 17	4.6	Oct. 14	4.6
Nov. 19	4.5	Oct. 9	4.0				

L136. A. P. Haynes. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12, T. 19 N., R. 1 E. Drilled domestic artesian well in Meridian sand member of Tallahatta formation, diam 4 in, depth 800 ft, screened 760-800. Lsd 131.30 ft above msl. MP top of 4-in ell, 0.50 ft above lsd. Highest water level 38.7 above lsd, July 4, 1942; lowest 14.1 above lsd, Oct. 14, 1958. Records available: 1938-58.

Jan. 31, 1956	+19.8	Nov. 19, 1956	+16.5	Oct. 7, 1957	+18.4	July 10, 1958	+17.0
May 17	19.5	Mar. 5, 1957	18.7	Jan. 6, 1958	20.2	Oct. 14	14.1
Aug. 20	18.0	July 2	18.0	Apr. 18	18.5		

L152. City of Greenwood. NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 19 N., R. 1 E. Drilled unused artesian well in sand of Tallahatta formation, diam 6 in, depth 660 ft, reportedly screened 620-640. Lsd 133.98 ft above msl. MP top of $\frac{1}{2}$ -in bushing in top of casing, 2.80 ft above lsd. Highest water level 19.9 above lsd, Aug. 5, 1944; lowest 19.3 below lsd, June 27, 1948. Records available: 1938, 1940-50, 1954-58. Affected by nearby pumping.

Jan. 31, 1956	+3.10	Sept. 24, 1956	-0.25	May 24, 1957	-4.74	Jan. 6, 1958	+2.13
Feb. 29	3.71	Oct. 24	+2.69	Aug. 7	+2.21	Mar. 13	4.96
Apr. 3	4.35	Nov. 19	c-23.35	Sept. 10	c-22.56	Apr. 18	5.11
June 19	2.82	Dec. 17	c18.62	Oct. 7	+1.60	July 10	3.30
July 17	3.00	Jan. 23, 1957	c25.03	Nov. 6	-5.00	Oct. 14	4.05
Aug. 20	3.38	Mar. 5	c16.04	Dec. 10	c-29.38		

c Nearby well being pumped.

Lowndes County

E5. A. L. Echols. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 31, T. 19 N., R. 16 E. Drilled unused artesian well in sand of Eutaw formation, diam 4 in, depth 442 ft, cased to about 30. Lsd about 226 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 42.45 below lsd, Apr. 29, 1958; lowest 46.39 below lsd, June 18, 1958. Records available: 1957-58. Affected by nearby pumping.

Nov. 1, 1957	44.40	Mar. 12, 1958	44.14	June 18, 1958	46.39	Sept. 30, 1958	45.80
Feb. 13, 1958	44.44	Apr. 29	42.45	July 22	45.72	Dec. 3	46.16

Madison County

W1. Joe Rice. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 7 N., R. 2 E. Drilled unused artesian well in sand of Cockfield formation, diam 6 to 2½ in, reported depth 672 ft, screened 630-670. Lsd about 334 ft above msl. MP top of 6-in casing, 0.60 ft above lsd. Highest water level 129.95 below lsd, Aug. 15, 1956; lowest 131.38 below lsd, Sept. 10, 1957. Records available: 1956-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 15, 1956	129.95	May 14, 1957	130.63	Dec. 20, 1957	130.65	June 24, 1958	130.86
Cct. 5	130.55	June 13	130.69	Jan. 16, 1958	130.81	July 16	130.99
17	130.75	July 22	130.98	Feb. 28	130.76	Aug. 26	131.25
Jan. 11, 1957	130.85	Aug. 13	131.34	Apr. 2	130.65	Sept. 26	131.19
Feb. 7	130.66	Sept. 10	131.38	23	130.75	Oct. 23	131.21
Mar. 12	130.49	Oct. 23	130.94	May 21	130.66	Nov. 19	131.15
Apr. 12	130.30	Nov. 15	130.80				

Monroe County

C101. Town of Amory. NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 12 S., R. 19 W. Drilled unused artesian well in sand and gravel of Gordo formation of Tuscaloosa group, diam 8 in, reported depth 300 ft, cased to 300. Lsd about 240 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 1.05 above lsd, Mar. 23-24, 1955; lowest 3.12 below lsd, Aug. 7, 1957. Records available: 1954-58.

Highest water level for the day, above and below lsd, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-0.8	...	-0.4	+0.1	-0.4	-1.0	-1.2	-2.0	-2.0	...	-1.8	-1.5
10	.5	-0.4	.5	.+	.4	.9	1.4	2.4	1.7	...	...	1.5
15	.8	.5	.2	-.2	.5	...	1.7	2.2	1.5	-1.8	1.6	.9
20	.5	.5	.4	.5	.4	...	1.6	1.9	1.7	2.0	1.5	1.1
25	...	.4	.3	.4	1.4	...	1.7	1.7	2.2	1.5	1.6	1.2
Eom	.3	.6	.5	.2	.9	...	2.2	...	1.6	1.4	1.5	.8
1957												
5	-.8	-.3	-.6	-.4	-.8	-1.2	-1.5	-1.7	...	...	-1.3	-.9
10	1.1	1.0	.9	.6	.9	1.2	1.8	...	...	...	.9	.8
15	.9	.9	.7	.7	1.1	1.5	...	...	...	...	-.3	1.0
20	.8	.7	1.1	.9	1.0	1.6	1.9	...	...	-1.4	+.2	.7
25	1.0	.5	.4	.9	1.6	1.3	2.0	...	...	1.2	-.3	.8
Eom	.4	.7	.6	.7	1.6	1.4	1.7	...	...	1.1	-.7	.9
1958												
5	-1.0	-.4	-.6	-.5	-.5	-1.5	-2.6	e-2.0	-1.9	-1.3	-1.0	...
10	.9	.4	.6	.5	.7	2.1	2.1	2.7	2.5	1.1	1.1	...
15	.8	.1	.7	.3	1.0	1.6	e1.8	2.1	1.8	1.2	...	...
20	.8	.2	.7	.4	1.1	1.4	e1.9	2.3	1.7	1.3	...	...
25	.2	.8	.3	.8	1.2	1.5	2.1	1.7	1.5	1.2	...	...
Eom	.6	.5	.3	.5	1.5	1.5	e2.0	1.9	1.6	1.1	...	...

e Estimated.

O101. H. A. Craige. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3, T. 15 S., R. 6 E. Drilled unused artesian well in sand of Eutaw formation, diam 4 in, reported depth 450 ft, cased to about 30. Lsd about 330 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 132.90 below lsd, Jan. 13, 1954; lowest 137.19 below lsd, Oct. 17, 1956. Records available: 1954-58.

Date	Water level						
Jan. 11, 1956	136.73	Mar. 14, 1957	135.95	Feb. 13, 1958	136.21	Apr. 29, 1958	135.99
May 17	136.38	Sept. 30	136.59	18	136.26	Dec. 3	135.57
Oct. 17	137.19	Dec. 13	136.78	19	136.30		

Montgomery County

F2. Town of Winona. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, T. 19 N., R. 5 E. Drilled unused artesian well in sand of Tallahatta formation, diam 10 in, depth 308 ft, screened 248-308. Lsd 373.14 ft above msl. MP top of steel base, 1.70 ft above lsd. Highest water level 94.9 below lsd, Sept. 9, 1939; lowest 98.6 below lsd, July 19, 1958. Records available: 1939, 1958. Affected by nearby pumping. Sept. 9, 1939 94.9.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	95.0	....	....	....	....	....	....	....	....	95.2	....
10	95.2	....
15	97.3	97.8	....	98.0	96.3	95.1	....
20	97.5	95.9	....	e95.0
25	96.1	....	....
Eom	95.4	....	....

e Estimated.

Noxubee County

H115. Borden Food Products Co. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 33, T. 15 N., R. 17 E. Drilled industrial artesian well in sand and gravel of Tuscaloosa group, diam 10 in, depth 1,807 ft, cased to 1,767. Lsd 185 ft above msl. MP top of $\frac{1}{4}$ -in gate valve on discharge pipe, 3.00 ft above lsd. Highest water level 33.2 above lsd, Feb. 3, 1955; lowest 29.3 above lsd, Apr. 14, 1955. Records available: 1955-56, 1958. Oct. 19, 1956, +32.0; Oct. 10, 1958, +30.3.

Oktibbeha County

G102. Mississippi State University. Formerly Mississippi State College. NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 1, T. 18 N., R. 14 E. Drilled unused artesian well in sand of Eutaw formation, diam 6 in, depth 1,008 ft, cased to 968. Lsd 380.95 ft above msl. MP top of casing, 2.33 ft above lsd. Highest water level 176.14 below lsd, Apr. 3, 1941; lowest 187.54 below lsd, Mar. 18, 1954. Records available: 1940-48 1954-58.

Highest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	185.2	184.9	184.7	184.6	184.7	184.9	185.1	....	185.6	....	185.4	185.6
10	185.1	184.8	184.8	184.5	184.8	185.0	185.2	185.4	185.6	....	185.5	185.6
15	185.0	184.8	184.6	184.4	184.8	185.0	185.2	185.5	....	....	185.5	....
20	185.1	184.8	184.8	184.8	184.9	185.0	185.2	185.5	....	185.5	185.5	....
25	185.1	184.6	184.8	184.8	185.0	185.1	....	185.5	....	185.5	....	....
Eom	185.2	184.9	184.8	184.8	184.9	185.1	....	185.6	....	185.4	185.5	185.2

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	185.2	....	....	....	....	....	....	....	....	....	186.1	186.2
10	186.2	186.1
15	e185.9	186.0	185.9
20	185.9	186.0
25	e185.7	185.9	186.2
Eom	186.1	186.0

e Estimated.

Date	Water level						
Jan. 25, 1958	185.8	Mar. 31, 1958	186.0	June 18, 1958	186.2	Oct. 20, 1958	186.7
Feb. 25	185.8	Apr. 29	186.0	Sept. 30	186.5	Dec. 3	186.5

Rankin County

J110. Formerly F110. Town of Pelahatchie. NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 6 N., R. 5 E. Drilled unused artesian well in sand of Cockfield formation, diam 10 in, depth 594 ft, screened 565-591. Lsd about 365 ft above msl. MP bottom of recorder house, 1.60 ft above lsd. Highest water level 101.62 below lsd, Apr. 9, 1956; lowest 107.9 below lsd, Sept. 4, 1958. Records available: 1955-58. Affected by nearby pumping. Jan. 3, 1956, 102.31; Feb. 21, 102.03; Mar. 30, 102.95; Apr. 9, 101.62; May 15, 102.25; Dec. 14, 103.30.

J110--Continued.

Highest water level for the day, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	105.0	104.4	103.8	105.6	105.0	106.7	104.3	105.5	104.3	.....
10	.....	e105.4	104.4	104.7	104.6	104.7	106.0	106.5	104.0	.....	103.8	.....
15	.....	e105.5	105.5	104.4	104.8	106.2	105.7	104.8	107.4	.....	103.7	.....
20	.....	.....	104.7	104.9	104.7	105.6	105.3	107.6	106.2	.....	104.1	.....
25	.....	e105.9	104.8	d109.8	105.7	106.0	106.4	104.7	105.8	104.7	104.1	e103.0
Eom	.....	105.2	e105.0	104.4	105.6	105.6	105.8	105.4	104.5	103.7	.....	.....
							1958					
5	.....	103.6	.....	103.9	103.2	105.8	104.9	106.2	107.3	105.0	106.7	106.6
10	.....	103.4	.....	103.3	104.3	106.7	104.8	105.4	107.3	106.2	105.3	104.4
15	.....	104.1	.....	103.5	103.9	105.6	104.4	106.5	105.1	106.9	107.3	104.1
20	103.6	104.0	.....	103.2	104.4	106.4	105.8	106.2	.....	105.3	107.4	104.0
25	103.8	.....	.....	104.1	104.4	105.4	105.9	105.3	105.9	106.8	107.0	103.6
Eom	103.7	.....	.....	103.6	105.1	104.9	106.1	106.2	105.9	106.6	106.2	103.4

d Nearby well pumped recently.

e Estimated.

Scott County

L1. Town of Forest. SE₄¹NE₄¹ sec. 16, T. 6 N., R. 8 E. Drilled unused artesian well in sand of Cockfield formation, diam 10 in, depth 360 ft, cased to 280. Lsd 480 ft above msl. MP top of recorder floor, 3.00 ft above lsd. Highest water level 103.7 below lsd, May 6, 1958; lowest 109.8 below lsd, Nov. 15, 1957. Records available: 1957-58. Affected by nearby pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 23, 1957	c112.1	Nov. 15, 1957	109.8	Nov. 26, 1957	109.5	Nov. 30, 1957	109.7
Oct. 4	c113.8	16	109.5	27	109.4	Dec. 1	109.6
25	c111.9	17	109.3	28	109.4	2	109.4
Nov. 14	109.2	18	108.8	29	109.0	3	109.7

c Nearby well being pumped.

Highest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	104.5	106.2	106.5	108.1	.....	.....	.....	105.2
10	103.9	107.7	107.0	107.2	.....	105.6	.....	105.6
15	104.8	106.9	108.1	.....	.....	.....	.....	105.1
20	105.9	.....	.....	.....	103.8	106.1	107.3	.....	.....	.....	105.3	105.7
25	105.0	107.9	106.2	.....	.....	105.2	.....	104.7
Eom	109.2	.....	.....	105.6	107.4	107.2	.....	.....	.....	.....	105.2

Sharkey County

G143. Town of Cary. SE₄¹SW₄¹ sec. 9, T. 11 N., R. 7 W. Drilled unused artesian well in Sparta sand, diam 2½ in, depth 747 ft, cased to 707. Lsd 100 ft above msl. MP top of 2½-in tee, 3.00 ft below lsd. Highest water level 21.6 above lsd, Feb. 10, 1939; lowest 3.98 below lsd, Aug. 26, 1956. Records available: 1939-40, 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1, 1956	+3.61	Nov. 21, 1956	+2.38	July 8, 1957	-1.88	Apr. 15, 1958	+2.53
May 16	6.03	Mar. 8, 1957	3.50	Oct. 10	+.86	Oct. 14	.30
Aug. 26	-3.93						

Sunflower County

H160. E. L. Coleman. NW₄¹SW₄¹ sec. 28, T. 21 N., R. 3 W. Drilled public-supply artesian well in sand of Tallahatta formation, diam 3 in, depth 1, 180 ft, cased to 1, 140. Lsd 127.5 ft above msl. MP top of 3-in tee, 0.50 ft above lsd. Highest water level 31.5 above lsd, July 27, 1940; lowest 16.5 above lsd, May 20, 1955, Apr. 17, 1958. Records available: 1940-58.

Jan. 31, 1956	+19.4	May 6, 1957	+20.5	Jan. 6, 1958	+20.0	July 9, 1958	+18.5
Aug. 20	19.0	July 2	18.2	Apr. 17	16.5	Oct. 14	18.1
Nov. 19	20.0	Oct. 9	20.1				

Tallahatchie County

H168. Town of Sumner. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 11, T. 24 N., R. 2 W. Drilled unused artesian well in sand of Wilcox formation, diam 8 to 4 in, depth 1, 680 ft, screened 1, 600-1, 680. Lsd 153.3 ft above msl. MP top of 8-in casing, 0.50 ft above lsd. Highest water level 65.5 above lsd, May 1, 1944; lowest 47.4 above lsd, Apr. 17, 1958. Records available: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1, 1956	+51.5	July 19, 1957	+51.4	Jan. 6, 1958	+50.8	July 9, 1958	+31.0
Nov. 20	48.3	Oct. 9	48.3	Apr. 17	47.4	Oct. 17	51.3
Mar. 5, 1957	49.0						

b Well pumped recently.

S1. Mrs. Maude Phelan. Formerly Mrs. Morris Freeman. SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11, T. 22 N., R. 1 E. Driven domestic water-table well in alluvium of Pleistocene age, diam 1 $\frac{1}{4}$ in, depth 32 ft, cased to 28. Lsd 138.77 ft above msl. MP mouth of pump, 3.75 ft above lsd. Highest water level 5.25 below lsd, May 14, 1958; lowest 19.50 below lsd, Dec. 21, 1954. Records available: 1954-58. Affected by stage of Tallahatchie River.

Jan. 3, 1956	17.57	Dec. 17, 1956	18.40	Nov. 6, 1957	13.95	June 11, 1958	7.98
31	16.96	Jan. 23, 1957	17.08	Dec. 10	8.97	July 10	8.50
Feb. 29	12.99	Mar. 4	13.99	Jan. 6, 1958	8.85	Aug. 12	8.43
Apr. 3	12.44	May 21	13.79	Feb. 12	8.63	Sept. 15	10.41
Aug. 20	15.92	July 2	12.23	Mar. 13	8.09	Oct. 17	7.98
Sept. 24	17.35	Aug. 7	13.08	Apr. 18	8.47	Nov. 14	9.64
Oct. 24	18.12	Sept. 10	13.91	May 14	5.25	Dec. 18	9.95
Nov. 19	17.79	Oct. 7	12.41				

Tishomingo County

F1. Town of Iuka. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 19, T. 3 S., R. 11 E. Drilled unused artesian well in sand and gravel of Tuscaloosa group, diam 8 in, depth 135 ft, cased to 105. Lsd 545 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 43.94 below lsd, Nov. 28, 1956; lowest 49.01 below lsd, Apr. 30, 1958. Records available: 1956, 1958. Jan. 12, 1956, 44.85; Nov. 28, 43.94; Apr. 30, 1958, 49.01; June 17, 44.45; Dec. 4, 46.10.

Tunica County

D101. Jacks & Garrott. SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 33, T. 4 S., R. 11 W. Drilled public-supply artesian well in sand of Wilcox formation, diam 6 to 4 in, depth 1, 805 ft, screened 1, 775-1, 805. Lsd about 190 ft above msl. MP top of $\frac{1}{2}$ -in gate valve, 3.30 ft above lsd. Highest water level 17.6 above lsd, Mar. 31, 1954; lowest 13.3 above lsd, Aug. 26, 1956. Records available: 1954-58.

Feb. 1, 1956	+15.3	Mar. 6, 1957	+15.5	Jan. 8, 1958	+16.1	July 9, 1958	+13.8
Aug. 26	13.3	July 10	13.7	Apr. 17	15.6	Oct. 17	16.3
Nov. 20	14.1	Oct. 9	14.3				

G117. Clyde J. Perry. Formerly G. D. Perry, Sr. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, T. 5 S., R. 11 W. Drilled domestic artesian well in sand of Wilcox formation, diam 4 to 2 in, depth 1, 806 ft, cased to 1, 776. Lsd 192.5 ft above msl. MP top of faucet, 0.70 ft above lsd. Highest water level 32.6 above lsd, Dec. 30, 1940; lowest 6.5 above lsd, July 10, 1957. Records available: 1940-58.

Feb. 1, 1956	+10.2	May 6, 1957	+9.0	Oct. 9, 1957	+8.4	July 9, 1958	+7.3
Aug. 21	9.2	July 10	6.5	Apr. 17, 1958	8.7	Oct. 17	7.2
Nov. 20	8.3						

J101. L. D. Powell. NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 36, T. 6 S., R. 12 W. (previously reported R. 6 W.). Drilled domestic artesian well in sand of Wilcox formation, diam 3 to 2 in, depth 1, 796 ft, screened 1, 766-1, 796. Lsd 176 ft above msl. MP top of 3-in coupling, at lsd. Highest water level 30.3 above lsd, July 7, 1954; lowest 24.0 above lsd, Oct. 17, 1958. Records available: 1954-58.

Feb. 1, 1956	+26.2	Mar. 6, 1957	+27.2	Jan. 8, 1958	+26.3	July 9, 1958	+25.0
Aug. 20	25.0	July 10	26.8	Apr. 17	26.0	Oct. 17	24.0
Nov. 20	25.4	Oct. 9	25.7				

Washington County

H101. J. A. Aldridge. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 17 N., R. 7 W. Drilled domestic artesian well in Meridian sand member of Tallahatchie formation, diam 4 in, depth 1, 905 ft, cased to 1, 875. Lsd 120 ft above msl. MP top of 4-in tee, 0.80 ft above lsd. Highest water level 53.5 above lsd, Dec. 20, 1954; lowest 49.8 above lsd, Jan. 8, 1958. Records available: 1954-58.

Feb. 1, 1956	+52.2	Nov. 21, 1956	+51.3	Oct. 9, 1957	+52.6	July 8, 1958	+50.8
May 9	53.3	Mar. 8, 1957	50.5	Jan. 8, 1958	49.8	Oct. 14	50.3
Aug. 22	51.3	July 8	51.3	Apr. 15	51.8		

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

L165. W. D. Atterbury. NE₄¹NE₄¹ sec. 25, T. 16 N., R. 7 W. Drilled domestic artesian well in Meridian sand member of Tallahatta formation, diam 5 in, depth 1,950 ft. Lsd 119.7 ft above msl. MP top of gate valve at Deer Creek, 10.00 ft below lsd. Highest water level 81.3 above lsd, Aug. 16, 1939; lowest 44.8 above lsd, July 1, 1953. Records available: 1939-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	+60.8	Nov. 21, 1956	+53.1	Jan. 8, 1958	+52.0	July 8, 1958	+60.0
May 9	56.5	Mar. 8, 1957	60.3	Apr. 15	60.0	Oct. 14	58.0
Aug. 22	53.3	Oct. 9	54.5				

Q4. J. K. Greer. NE₄¹SW₄¹ sec. 7, T. 15 N., R. 5 W. Drilled unused water-table well in alluvium of Pleistocene age, diam 15 in, depth 107 ft, screened 82-107. Lsd about 100 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 10.16 below lsd, Oct. 13, 1958; lowest 29.20 below lsd, Sept. 11, 1955. Records available: 1954-58. Affected by nearby irrigation well.

Jan. 6, 1956	18.81	Oct. 26, 1956	20.14	Aug. 8, 1957	26.35	Apr. 15, 1958	12.01
31	18.47	Nov. 21	20.03	Sept. 11	28.55	June 10	c15.39
Mar. 2	17.64	Dec. 19	19.39	Oct. 10	19.17	July 8	c19.00
Apr. 5	17.05	Jan. 31, 1957	18.13	Nov. 8	17.73	Aug. 13	c20.52
May 9	16.51	Mar. 8	17.19	Dec. 9	15.52	Sept. 8	c20.79
June 21	25.73	Apr. 12	16.45	Jan. 8, 1958	14.72	Oct. 13	10.16
July 19	29.18	May 20	16.66	Feb. 11	13.73	Nov. 12	10.38
Aug. 22	28.15	July 3	18.75	Mar. 13	12.54	Dec. 17	10.32
Sept. 26	21.55						

c Nearby well being pumped.

S4. Agricultural Chemical Corp. SW₄¹SE₄¹ sec. 28, T. 14 N., R. 8 W. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in, depth 105 ft, screened 80-105. Lsd about 110 ft above msl. MP top of recorder-house floor, 1.95 ft above lsd. Highest water level 5.8 below lsd, May 13, 1958; lowest 19.45 below lsd, Aug. 21, 1954. Records available: 1954-58.

Highest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	14.3	11.2	10.5	9.5	10.4	13.1	14.3	16.4	...	16.0	15.8	15.6
10	14.4	10.3	10.7	9.2	10.6	12.9	13.4	16.7	...	16.0	15.8	15.7
15	14.4	10.3	9.5	9.4	10.8	...	15.3	16.9	...	15.9	15.8	14.3
20	14.5	10.0	9.5	9.7	12.1	11.9	15.6	17.0	...	15.9	15.2	14.0
25	14.4	10.1	9.5	10.0	12.7	13.4	16.0	...	...	15.9	15.3	13.3
Eom	14.1	10.5	9.8	10.4	14.3	14.7	15.8	...	16.3	15.7	15.4	13.5

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	12.9	10.7	10.3	9.4	9.9	10.5	11.1	14.5	14.1	...	...	8.0
10	12.9	10.8	10.6	...	10.0	10.3	13.0	17.0	14.6	13.1	10.5	8.1
15	13.0	11.7	10.5	9.2	10.3	10.9	13.7	15.1	12.2	13.1	9.8	8.4
20	13.2	11.0	10.6	9.7	10.3	12.3	14.3	15.9	12.9	11.8	8.9	8.6
25	12.6	10.5	10.2	10.0	10.7	11.5	12.7	15.4	...	10.9	8.5	...
Eom	11.6	10.4	10.4	10.1	11.1	11.5	13.9	16.0	...	...	...	...

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	...	...	7.8	...	...	9.2	10.8	...	7.1	9.4	10.0	
10	9.2	e8.3	7.6	...	e5.5	9.3	7.8	11.3	13.1	7.4	9.7	10.2
15	9.2	8.4	8.4	8.4	7.7	10.2	7.5	11.1	11.0	7.8	9.7	10.4
20	8.9	8.1	...	...	...	8.5	8.8	12.2	8.1	8.2	9.6	10.7
25	8.7	8.2	...	...	...	8.9	9.3	10.9	7.2	8.6	9.7	10.6
Eom	...	8.3	...	...	...	9.9	8.5	...	7.1	9.1	9.9	10.6

e Estimated.

Wayne County

N1. Town of Waynesboro. SE₄¹NW₄¹ sec. 12, T. 8 N., R. 7 W. Drilled unused artesian well in Catahoula sandstone, diam 10 in, depth 110 ft, cased to 80. Lsd 190 ft above msl. MP top of recorder-house floor, 2.00 ft above lsd. Highest water level 30.5 below lsd, May 5, 20, 1958; lowest 41.4 below lsd, Dec. 13, 1957. Records available: 1957-58. Affected by pumping. Dec. 13, 1957, 41.4; Dec. 15, 39.7.

Highest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	30.7	...	30.5	32.4	33.6	33.0	...	...	...	...
10	31.2	...	30.9	32.2	32.9	33.3	...	...	...	...
15	30.8	...	31.4	e32.5	34.2	33.2	...	...	...	e33.0
20	31.5	...	30.5	33.4	32.7	33.7	...	...	...	...
25	31.2	...	31.4	34.3	32.1	33.2	...	...	...	...
Eom	...	31.1	31.2	...	32.3	33.1	33.0	33.8	...	...	...	...

e Estimated.

Wilkinson County

T101. J. P. Kennedy. Old Camp Van Dorn. Sec. 17, T. 1 N., R. 1 E. Drilled unused artesian well in sand of Pascagoula formation, diam 16 in, depth 222 ft, screened 162-222. Lsd 353.5 ft above msl. MP top of hole in cover plate, 1.20 ft above lsd. Highest water level 43.0 below lsd, May 5, 1942; lowest 52.22 below lsd, Dec. 10, 1954. Records available: 1942, 1954-58. Jan. 5, 1956, 49.49; Apr. 6, 48.86; Oct. 10, 49.87; Aug. 16, 1957, 49.73; Feb. 12, 1958, 49.00; Aug. 16, 48.32.

T102. J. P. Kennedy. Old Camp Van Dorn. Sec. 17, T. 1 N., R. 1 E. Drilled unused artesian well in middle sand of Pascagoula formation, diam 12 in, depth 417 ft, screened 355-415. Lsd 356.4 ft above msl. MP top of hole in cover plate, 1.48 ft above lsd. Highest water level 128.4 below lsd, May 5, 1942; lowest 144.45 below lsd, Aug. 16, 1958. Records available: 1942, 1954-58. Jan. 5, 1956, 142.25; Apr. 6, 142.03; Oct. 10, 143.60; Aug. 16, 1957, 143.37; Feb. 12, 1958, 143.98; Aug. 16, 144.45.

T103. J. P. Kennedy. Old Camp Van Dorn. Sec. 17, T. 1 N., R. 1 E. Drilled unused artesian well in upper part of Catahoula sandstone, diam 12 in, depth 1,699 ft, screened 1,625-1,685. Lsd 356.4 ft above msl. MP top of hole in cover plate, 1.40 ft above lsd. Highest water level 238.1 below lsd, May 13, 1942; lowest 255.08 below lsd, Aug. 16, 1958. Records available: 1942, 1954-58. Jan. 5, 1956, 251.75; Aug. 16, 1957, 252.98; Feb. 12, 1958, 253.15; Aug. 16, 255.08.

Yazoo County

B102. Town of Eden. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 13 N., R. 1 W. Drilled unused (previously reported as municipal) artesian well in Sparta sand, diam 2 in, depth 800 ft, cased to 770. Lsd 112.3 ft above msl. MP bottom edge of hole in north side of casing, 5.30 ft above lsd. Highest water level 39.7 above lsd, 1919; lowest 0.36 above lsd, Oct. 13, 1958. Records available: 1919, 1939, 1943-58.

Date	Water level						
May 11, 1956	+4.18	Mar. 4, 1957	+3.35	Jan. 8, 1958	+2.47	July 8, 1958	+2.13
Aug. 20	3.22	July 8	1.65	Apr. 18	2.66	Oct. 13	.36
Nov. 19	2.37	Oct. 10	.50				

B103. Town of Eden. SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 8, T. 13 N., R. 1 W. Drilled public-supply artesian well in Meridian sand member of Tallahatta formation, diam 4 to 2 $\frac{1}{2}$ in, depth 1,735 ft, screened 1,659-1,669, 1,689-1,699, 1,705-1,715. Lsd about 112 ft above msl. MP top of 4-in cap, 0.50 ft above lsd. Highest water level 143.2 above lsd, January 1954; lowest 129.5 above lsd, Oct. 10, 1957. Records available: 1954-58.

Jan. 31, 1956	+131.0	Nov. 19, 1956	+130.0	Oct. 10, 1957	+129.5	July 8, 1958	+131.0
May 8	132.2	Mar. 4, 1957	130.5	Jan. 8, 1958	131.5	Oct. 13	130.7
Aug. 20	131.0	July 1	131.5	Apr. 18	130.4		

G126. Yazoo City. SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 32, T. 12 N., R. 2 W. Drilled unused artesian well in Sparta sand, diam 6 in, depth 801 ft, cased to 761. Lsd 96 ft above msl. MP top of casing, 10.00 ft above lsd. Highest water level 31.1 above lsd, Jan. 17, 1939; lowest 6.1 below lsd, Aug. 9, 1955. Records available: 1939, 1955-58. Affected by pumping.

Highest water level for the day, above and below lsd, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	... +3.3	... -3.1	... .	... .	... .	... .	-0.4	-1.5	-1.9	-0.9	-1.3	-0.8
10	... -2.9	3.3	... .	... .	... .	... .	+.5	1.8	1.3	.8	1.7	.8
15	... 3.1	... .	... .	... .	... .	... .	+2.0	-2	2.2	2.6	.6	1.6
20	... 2.9	... .	... .	... .	... .	... .	-1.4	.2	3.0	1.7	1.3	1.6
25	... 2.8	... .	... .	... .	... .	... .	+.8	.5	1.9	2.2	.7	1.0
Eom	+2.3	2.7	... .	... .	... .	... .	-2	1.3	2.2	1.8	2.0	1.1

1957

5	...	...	...	-2.0	-1.3	-3.1	-2.6	-3.1	-4.2	-4.2	-2.5	...
10	...	...	...	2.3	1.8	2.5	3.2	3.7	3.8	4.6	2.1	...
15	...	...	...	2.3	2.5	3.7	3.3	4.8	4.0	3.8	4.0	e-.6
20	...	...	...	2.3	2.4	3.5	3.9	3.7	4.6	3.6	1.2	e.5
25	...	...	-2.0	2.1	3.5	3.4	3.6	3.9	4.6	3.0	...	e.1
Eom	...	...	1.9	1.8	3.4	2.9	3.6	4.7	4.2	2.8	...	e.2

1958

5	...	...	.0	-.6	+.3	-1.9	-2.5	-4.7	-5.2	-3.5	...	...
10	-.9	e-.2	e-.3	.2	-.1	1.8	2.6	4.1	5.1	4.4	...	...
15	...	0	...	.3	.9	1.4	2.9	4.1	4.1	...	...	...
20	...	0	...	.2	.6	1.2	3.0	4.2	4.2	...	...	...
25	...	+1.1	.4	.8	.8	1.4	3.8	3.8	4.2	...	...	...
Eom	...	+.5	.1	.2	1.4	1.4	4.4	4.3	4.0	...	...	...

e Estimated.

J128. Holly Bluff Consolidated School. SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 4, T. 11 N., R. 5 W. Drilled school-supply artesian well in Sparta sand, diam 4 in, depth 980 ft, cased to 940. Lsd about 103 ft above msl. MP top of 4-in tee, 3.00 ft above lsd. Highest water level 38.7 above lsd, Aug. 17, 1939; lowest 11.4 above lsd, July 1, 1957. Records available: 1939, 1954-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8, 1956	+17.4	Nov. 19, 1956	+13.8	Oct. 10, 1957	+13.4	July 8, 1958	+11.6
May 16	14.8	Mar. 8, 1957	15.2	Jan. 8, 1958	11.8	Oct. 13	11.6
Aug. 23	13.4	July 1	11.4	Apr. 15	11.5		

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NORTH CAROLINA

By Edwin O. Floyd

The observation-well program in North Carolina begun in 1941 was continued during 1956-58 in cooperation with the North Carolina Department of Conservation and Development. Figure 10 shows the location of observation wells included in this report.

Well Numbering System

The wells are numbered by counties, although the numbers are not related to any system of location within the counties.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum unless otherwise indicated.

Beaufort County

11. City of Washington. Lat $35^{\circ}32'$, long $77^{\circ}04'$. Drilled unused artesian well in sand, diam 8 in, depth 129 ft, cased to 129, gravel-walled. Lsd 9.42 ft above msl. MP top of casing, at lsd. Highest water level 6.50 below lsd, Oct. 29, 1958; lowest 10.83 below lsd, Aug. 27, 1948. Records available: 1948-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 5, 1956	7.55	Oct. 25, 1957	7.64	Mar. 31, 1958	7.26	Aug. 28, 1958	7.61
Aug. 1	7.48	Nov. 27	7.61	Apr. 23	7.69	Sept. 25	7.22
Nov. 20	7.90	Dec. 31	7.68	May 30	7.52	Oct. 29	6.50
Mar. 15, 1957	6.74	Jan. 28, 1958	7.62	June 27	7.83	Nov. 25	7.45
June 7	7.10	Mar. 11	7.40	July 30	8.24	Dec. 31	7.36
Sept. 25	8.05						

Bertie County

1. C. F. White, Whites Crossroads. Lat $36^{\circ}08'12''$, long $76^{\circ}51'45''$. Drilled unused artesian well in sand of PeeDee formation, diam 4 in, depth 398 ft, cased to 398. Lsd 66.4 ft above msl. MP top of 2-in casing, at lsd. Highest water level 14.97 below lsd, Apr. 22, 1958; lowest 20.46 below lsd, June 6, 1957. Records available: 1955-58.

June 21, 1955	17.46	June 19, 1957	16.44	Jan. 27, 1958	15.54	July 29, 1958	16.41
Sept. 28	17.20	July 22	17.62	Feb. 25	15.30	Aug. 27	16.99
Dec. 21	16.32	Sept. 24	19.09	Mar. 27	15.07	Sept. 23	16.94
June 12, 1956	15.63	Oct. 24	18.33	Apr. 22	14.97	Oct. 29	16.28
Nov. 21	15.90	Nov. 26	17.59	May 29	15.16	Nov. 24	15.89
June 6, 1957	20.46	Dec. 31	16.28	June 26	15.56	Dec. 30	15.45

2. Town of Windsor. South edge of town. Lat $35^{\circ}59'30''$, long $76^{\circ}57'00''$. Drilled unused artesian well in Black Creek formation, diam 8 in, depth 350 ft, cased to 350, gravel-walled. Lsd 28.38 ft above msl. MP top of casing, at lsd. Highest water level 16.22 below lsd, Aug. 14, 1958; lowest 22.35 below lsd, June 22, 1955. Records available: 1955-58.

June 22, 1955	22.35	June 12, 1956	18.63	June 6, 1957	17.50	Sept. 5, 1957	17.98
Sept. 28	22.11	Nov. 19	17.72	19	17.69	Oct. 24	17.13
Dec. 21	21.90	Mar. 14, 1957	16.99	July 24	18.47	Nov. 26	16.70

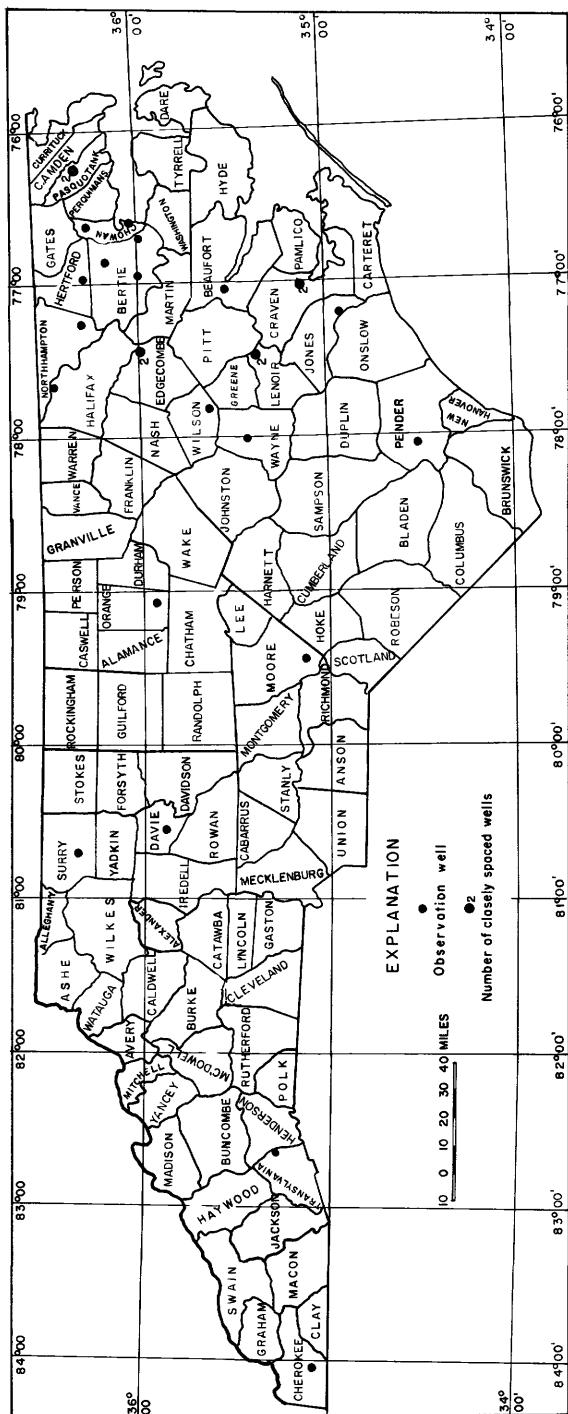


Figure 10.—Location of observation wells in North Carolina, 1956-58.

2--Continued.

Average water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	17.18	17.00	16.90	16.51	16.52	17.02	16.77	16.86
10	e16.95	16.95	16.62	16.42	16.48	17.13	16.75	16.97
15	e16.90	16.84	16.64	16.27	e16.50	17.09	16.83	17.20
20	16.82	e17.00	16.85	16.77	16.90	16.56	e16.85	17.11	16.95	17.20
25	17.27	16.82	17.00	16.94	16.91	16.78	16.45	e17.20	17.01	16.97	e17.20
Eom	e16.90	17.13	16.90	17.06	16.59	16.95	17.48	17.00	16.94	e17.17

e Estimated.

4. R. L. Askew. East of Merry Hill. Lat $35^{\circ}58'18''$, long $76^{\circ}42'42''$. Drilled unused artesian well in sand of Paleocene age, diam 4 to 2 in, depth 420 ft, cased to 420. Lsd 27 ft above msl. MP top of $1\frac{1}{4}$ -in casing, 0.29 ft above lsd. Highest water level 14.31 below lsd, June 21, 1955; lowest 19.37 below lsd, Dec. 21, 1955. Records available: 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 21, 1955	14.31	Nov. 19, 1956	19.02	Sept. 24, 1957	19.08	Feb. 25, 1958	18.82
Sept. 28	14.34	Mar. 18, 1957	18.42	Oct. 24	19.01	Mar. 27	18.96
Dec. 21	19.37	June 19	18.50	Nov. 26	19.10	Apr. 23	18.80
June 6, 1956	18.56	July 24	18.99	Jan. 27, 1958	19.00	Dec. 30	18.69

Cherokee County

1. Elliott. First Baptist Church. Murphy. Lat $35^{\circ}06'$, long $84^{\circ}02'$. Dug unused water-table well in weathered mica schist, diam 4 ft, depth 51 ft, cribbed with brick. Lsd 1,603.89 ft above msl. MP top of wood platform, 6.53 ft above lsd. Highest water level 37.79 below lsd, Apr. 13, 1950; lowest 43.45 below lsd, Jan. 13-14, 1954. Records available: 1943-58.

Mean water level for the day, from nonrecording gage, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	41.43	41.02	39.88	39.07	38.96	39.30	39.89	40.51	41.19	41.78	42.37	42.68
10	41.39	41.01	39.79	39.05	39.00	39.39	39.98	40.62	41.30	41.91	42.41	42.76
15	41.41	40.90	39.48	38.99	38.98	39.49	40.11	40.71	41.35	41.99	42.46	42.54
20	41.44	40.18	39.38	38.98	39.06	39.58	40.19	40.82	41.46	42.10	42.49	42.75
25	41.44	40.14	39.23	38.97	39.14	39.67	40.28	40.95	41.55	42.17	42.53	42.40
Eom	41.49	40.05	39.11	38.95	39.20	39.80	40.40	41.07	41.69	42.28	42.60	42.57

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	42.55	41.05	40.30	39.63	40.03	40.25	40.79	41.29	41.93	42.40	42.77	42.35
10	42.54	40.82	40.25	e40.03	40.06	40.49	40.88	41.40	42.05	42.47	42.84	42.05
15	42.52	40.63	40.23	39.98	40.10	40.59	40.93	41.50	42.02	42.54	42.83	42.08
20	42.56	40.48	40.19	39.93	40.15	40.65	41.03	41.58	42.22	42.59	42.44	41.76
25	42.53	40.39	40.18	39.92	40.27	40.35	41.10	41.69	42.31	42.59	42.39	41.75
Eom	42.10	40.31	40.24	39.93	40.38	40.70	41.20	41.85	42.25	42.70	42.42	41.58

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	41.50	41.17	40.41	39.85	39.37	38.97	39.49	39.96	40.53	41.00	41.46	41.96
10	.....	40.87	40.28	39.80	39.26	38.96	39.51	40.05	40.59	41.09	41.54	42.05
15	.....	40.79	40.15	39.77	39.16	39.02	39.67	40.14	40.69	41.20	41.63	42.15
20	.....	40.71	40.04	39.76	39.03	39.14	39.73	40.23	40.77	41.24	41.73	.....
25	41.16	40.61	40.00	39.77	39.95	39.26	39.80	40.26	40.85	.....	41.82	.....
Eom	41.22	40.13	39.91	39.07	38.93	39.40	39.90	40.42	40.93	41.40	41.84	.....

e Estimated.

Chowan County

1. Edenton Air Base. Southeast of Edenton. Lat $36^{\circ}01'10''$, long $76^{\circ}33'10''$. Drilled unused water-table well in sand of Yorktown formation, diam 8 in, depth 40 ft, cased to 40. Lsd 10.51 ft above msl. MP top of casing, at lsd. Highest water level 8.65 below lsd, Feb. 25, 1958; lowest 22.4 below lsd, June 22, 1955. Records available: 1955-58.

Date	Water level						
June 22, 1955	22.40	June 12, 1953	10.33	Mar. 13, 1957	11.18	Oct. 25, 1957	11.84
Sept. 27	21.30	Nov. 19	11.02	Sept. 24	11.27	Nov. 27	11.36
Dec. 20	15.80						

1--Continued.

Average water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	9.56	9.49	.....	.....	.....	.....	10.31	10.24	9.97
10	9.55	9.78	.....	.....	.....	.....	10.26	10.14	9.98
15	9.53	9.73	.....	.....	.....	.....	10.29	10.07	9.94
20	9.53	9.61	.....	.....	.....	.....	10.27	9.99	9.91
25	8.65	9.63	9.57	.....	.....	.....	.....	.....	10.28	10.04	9.93
Eom.	9.57	9.55	.....	.....	.....	.....	10.36	10.34	10.10	9.87

2. Chowan County High School. Lat $36^{\circ}14'27''$, long $76^{\circ}39'30''$. Drilled unused artesian well in sand of Paleocene age, diam 8 in, depth 320 ft, cased to 320. Lsd 26.58 ft above msl. MP top of casing, 0.25 ft below lsd. Highest water level 7.91 below lsd, Mar. 13, 1957; lowest 9.07 below lsd, Oct. 25, Nov. 27, 1957. Records available: 1955-58. June 22, 1955, 8.85; Sept. 28, 8.82; Dec. 20, 8.15; Nov. 20, 1956, 8.33; Mar. 13, 1957, 7.91; Oct. 25, 9.07; Nov. 27, 9.07.

Average water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.62	.....	.....	8.63	8.53
10	8.62	8.67	.....	8.54	8.60	8.80
15	8.43	8.62	8.66	.....	.....	8.73	....
20	8.41	.....	.....	.....	8.53	8.61	8.68	8.87	.....	8.75	8.62
25	8.67	.....	.....	8.37	8.55	8.55	8.53	8.88	8.60	8.78	....
Eom.	8.40	.....	8.66	.....	8.92	.....	.....	....

Craven County

2. Town of Bridgeton. Lat $35^{\circ}07'12''$, long $77^{\circ}01'34''$. Bored fire-protection water-table well in sand of late Miocene age, diam 8 in, depth 19 ft, cased to 19. Lsd 9.45 ft above msl. MP top of casing, 0.88 ft above lsd. Highest water level 6.41 below lsd, Mar. 31, 1958; lowest 9.10 below lsd, July 30, 1958. Records available: 1957-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 22, 1957	7.74	Feb. 21, 1958	7.19	June 27, 1958	7.72	Oct. 30, 1958	7.12
Nov. 27	7.22	Mar. 31	6.41	July 30	9.10	Nov. 25	7.10
Dec. 27	7.43	Apr. 23	7.60	Aug. 28	7.57	Dec. 31	6.48
Jan. 26, 1958	7.29	May 30	7.29	Sept. 25	7.68		

102a. City of New Bern. Lat $35^{\circ}07'$, long $77^{\circ}04'$. Drilled observation artesian well in Trent marl, diam 4 in, depth 38 ft, cased to 38. Lsd 15.35 ft above msl. MP top of casing, 0.30 ft above lsd. Highest water level 6.91 below lsd, July 28, 1950; lowest 18.06 below lsd, Sept. 25, 1957. Records available: 1947-58.

April 24, 1958	12.81	Oct. 25, 1957	14.57	Mar. 31, 1958	12.00	Aug. 28, 1958	16.31
July 11	13.93	Nov. 27	14.40	Apr. 23	12.07	Sept. 25	17.82
April 7, 1957	13.16	Dec. 27	12.64	June 3	12.91	Oct. 30	14.79
June 4	14.27	Jan. 29, 1958	11.53	27	13.10	Nov. 25	15.30
20	14.74	Mar. 11	12.24	July 30	16.41	Dec. 31	16.42
Sept. 25	18.06						

Davie County

1. Kurfee. Mocksville. Lat $35^{\circ}53'$, long $80^{\circ}34'$. Dug unused water-table well in weathered granite, diam 36 in, depth 32 ft, lined with rock. MP top of wood platform, 3.60 ft above lsd. Highest water level 15.19 below lsd, May 13, 1948; lowest 28.66 below lsd, Feb. 15, 1942. Records available: 1932-58.

Mean water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.06	.....	25.98	24.48	22.61	22.39	23.68	.....	25.79	25.28	25.40	25.47
10	27.09	26.82	25.82	24.29	22.30	22.55	23.86	.....	25.95	25.30	25.44	25.53
15	27.14	23.82	25.68	23.76	22.13	22.74	24.08	.....	26.13	25.32	25.51	25.04
20	27.16	26.62	25.11	23.40	22.04	22.95	24.28	.....	26.33	25.40	25.45	25.25
25	27.17	26.38	24.98	23.13	22.15	23.27	24.45	.....	26.54	25.41	25.44	24.34
Eom.	27.17	26.18	24.71	22.83	22.25	23.50	24.71	25.61	24.48	25.42	25.42	24.03
						1957						
5	23.82	21.46	19.47	19.08	18.87	20.03	20.33	21.44	22.73	20.33	21.13	19.05
10	23.66	20.81	19.46	18.41	19.05	20.12	20.53	21.65	22.38	20.37	21.34	18.61
15	23.63	20.63	19.53	18.37	.....	20.23	20.71	21.84	22.42	20.50	21.36	19.72
20	23.68	20.57	19.55	18.52	19.39	20.34	20.90	22.04	21.19	20.62	20.89	18.34
25	23.56	20.42	19.60	18.61	19.64	20.35	21.07	22.24	20.70	20.65	18.60	18.66
Eom.	21.36	19.90	19.55	18.71	19.88	20.26	21.23	22.51	20.37	20.89	18.94	18.77

1--Continued.

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.97	18.35	17.89	17.61	15.59	17.10	17.78	18.36	18.76	19.59	20.43	20.47
10	19.00	18.18	17.90	17.14	15.88	16.97	17.93	18.63	18.94	19.76	20.55	20.65
15	18.84	18.17	18.01	17.08	16.21	17.22	18.07	18.72	19.16	19.96	20.71	20.74
20	18.95	18.37	18.03	17.20	16.43	17.40	18.18	18.78	19.31	20.08	20.73	20.81
25	18.30	17.32	18.04	17.29	16.60	17.47	18.23	18.36	19.43	20.17	20.59	20.96
Eom	18.32	17.93	17.89	16.24	16.90	17.63	18.51	18.59	19.63	20.38	20.45	.....

Edgecombe County

23. John Lane. Speed. Lat 35°58', long 77°27'. Drilled domestic artesian well in sand of Tuscaloosa formation, diam 4 in, depth 100 ft, cased to 100. Lsd 54.36 ft above msl. MP top of casing, 0.85 ft above lsd. Highest water level 0.17 below lsd, Sept. 27, 1955; lowest 12.18 below lsd, June 11, 1953. Records available: 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 6, 1956	7.22	Oct. 24, 1957	6.24	Mar. 27, 1958	0.90	Aug. 27, 1958	5.93
Nov. 19	4.17	Nov. 26	8.99	April 22	5.54	Sept. 23	8.14
Mar. 13, 1957	3.77	Jan. 2, 1958	2.54	May 29	3.91	Oct. 28	3.49
June 6	8.41	27	7.25	June 26	5.11	Nov. 24	6.41
Sept. 24	6.27	Feb. 24	5.94	July 29	6.30	Dec. 30	6.91

70. W. Z. Wilson. Coakley. Lat 35°55', long 77°25'. Drilled unused artesian well in sand of Tuscaloosa formation, diam 4 in, depth 73 ft, cased to 73. Lsd 81.90 ft above msl. MP top of casing, 0.30 ft above lsd. Highest water level 37.95 below lsd, July 27, 1950; lowest 41.32 below lsd, Nov. 29, 1949. Records available: 1946-58.

June 6, 1956	38.36	Oct. 24, 1957	39.03	April 22, 1958	38.35	Sept. 23, 1958	38.88
Nov. 19	38.47	Nov. 26	38.84	May 29	38.50	Oct. 28	38.83
Mar. 13, 1957	38.30	Jan. 27, 1958	38.75	June 26	38.70	Nov. 24	38.87
June 6	38.08	Feb. 24	38.80	July 29	38.72	Dec. 30	38.75
Sept. 24	39.00	Mar. 27	38.57	Aug. 27	38.45		

Halifax County

1. Freuler. Roanoke Rapids. Lat 36°26', long 77°40'. Dug unused water-table well in terrace sand and gravel, diam 30 in, depth 15 ft, lined with terra cotta. MP gage-height indicator, 2.50 ft above lsd. Highest water level 1.23 below lsd, Aug. 30, 1939; lowest 10.79 below lsd, Jan. 11, 1955. Records available: 1932-57.

Jan. 3, 1956	7.87	Dec. 4, 1956	7.15	May 1, 1957	7.13	Aug. 1, 1957	4.65
Feb. 1	8.29	Jan. 1, 1957	7.08	June 4	6.11	Nov. 1	4.21
May 31	6.15	Feb. 5	9.59	July 2	5.26	Dec. 2	5.76
Oct. 3	7.61	Mar. 4	9.30				

Hertford County

6. Willard Early. East of Ahoskie. Lat 36°16'42", long 76°57'30". Drilled unused artesian well in sand of Peedee formation, diam 4 to 2 in, depth 171 ft, cased to 171. Lsd 43 ft above msl. MP top of $\frac{1}{2}$ -in nipple set in casing, at lsd. Highest water level 19.51 below lsd, Mar. 13, 1957; lowest 22.85 below lsd, Sept. 24, 1957. Records available: 1955-58.

Oct. 21, 1955	21.46	July 23, 1957	22.23	Mar. 27, 1958	20.21	Aug. 27, 1958	22.10
June 6, 1956	20.65	Sept. 24	22.85	April 22	20.24	Sept. 23	22.45
Nov. 20	20.98	Oct. 24	22.33	May 29	20.89	Oct. 28	21.92
Mar. 13, 1957	19.51	Nov. 26	21.72	June 26	21.14	Nov. 24	21.61
June 6	20.21	Jan. 27, 1958	21.68	July 29	21.99	Dec. 30	20.89
19	20.63	Feb. 24	20.27				

Jones County

1. George E. Weeks. Maysville. Lat 34°54', long 77°14'. Dug unused water-table well in terrace sands, diam 36 in, depth 9 ft, cribbed with wood. Lsd 35.6 ft above msl. MP top of wood platform, 2.70 ft above lsd. Highest water level 0.4 below lsd, Jan. 27, 1954, Sept. 14, 1955; lowest dry at 9.3 below lsd, Oct. 27-Dec. 1, 1954, June 8, 1955. Records available: 1941-58.

Jan. 4, 1956	6.5	Feb. 1, 1956	2.9	Feb. 29, 1956	1.9	Mar. 28, 1956	3.5
11	6.9	8	1.0	Mar. 7	3.1	Apr. 4	3.7
18	7.0	15	2.5	14	3.7	11	3.8
25	4.1	23	3.0	21	1.7	18	3.9

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 24, 1956	4.9	Dec. 17, 1956	6.7	Aug. 9, 1957	8.7	May 3, 1958	5.7
May 1	3.2	27	5.9	16	8.7	7	2.1
8	3.0	Jan. 2, 1957	7.7	22	8.0	13	5.1
15	3.9	8	6.6	26	5.9	21	4.1
22	5.5	16	7.0	30	7.4	26	3.9
29	6.1	23	7.5	Sept. 6	5.9	June 6	2.3
June 8	2.9	30	1.8	12	4.1	10	5.1
12	6.1	Feb. 4	1.8	19	3.1	19	5.5
20	5.7	22	4.1	27	3.1	25	3.1
26	5.8	25	4.5	Oct. 4	1.9	July 5	3.0
July 2	7.2	Mar. 4	1.8	9	2.8	16	6.1
10	7.9	11	1.4	17	5.1	23	6.1
16	7.8	19	3.1	25	6.2	27	6.2
Aug. 1	7.8	25	1.4	Nov. 2	7.0	Aug. 14	7.9
7	7.0	Apr. 1	2.8	9	6.9	17	6.4
15	5.6	8	3.1	11	6.7	20	8.1
21	7.2	17	4.7	28	4.1	28	7.0
28	6.5	21	6.7	Dec. 11	1.1	Sept. 5	8.1
Sept. 3	8.1	29	6.6	18	1.1	10	8.1
10	4.2	May 6	6.6	26	5.6	19	8.6
17	6.6	13	7.6	Jan. 4, 1958	3.1	24	8.7
25	7.1	21	7.6	14	1.1	Oct. 3	3.2
Oct. 1	7.1	27	7.6	22	2.1	9	2.7
9	3.4	June 6	8.1	30	2.0	24	2.1
17	.8	10	2.1	Feb. 5	4.1	29	2.2
23	1.8	17	3.6	10	5.4	Nov. 5	2.3
31	1.5	25	5.9	27	1.1	12	3.8
Nov. 6	2.8	July 2	4.9	Mar. 4	1.1	21	6.0
12	3.1	7	6.1	11	1.7	27	6.5
19	3.8	15	7.4	29	1.9	Dec. 6	6.7
26	5.2	23	7.7	Apr. 7	1.1	18	2.2
Dec. 3	5.9	31	7.8	16	1.1	30	3.3
11	5.9	Aug. 5	8.8	25	3.2		

Lenoir County

1. Dave Worthington. Near Grifton. Lat $35^{\circ}22'12''$, long $77^{\circ}27'42''$. Drilled unused artesian well in sand of PeeDee formation, diam 4 in, depth 104 ft, cased to 104. Lsd 37.92 ft above msl. MP top of casing, 1.05 ft above lsd. Highest water level 9.74 below lsd, Jan. 29, 1958; lowest 14.86 below lsd, Nov. 13, 1954. Records available: 1954-55, 1957-58.

Mar. 9, 1954	10.51	Dec. 14, 1954	14.80	Dec. 27, 1957	9.89	July 30, 1958	12.82
Apr. 1	10.80	Apr. 13, 1955	13.59	Jan. 29, 1958	9.74	Aug. 28	12.40
May 7	11.50	June 15	14.24	Mar. 11	10.21	Sept. 25	12.36
June 22	13.02	Dec. 21	11.98	31	10.31	Oct. 30	10.72
July 22	13.59	Sept. 25, 1957	11.88	Apr. 23	11.76	Nov. 25	11.18
Aug. 10	14.05	Oct. 25	11.16	May 30	10.75	Dec. 31	10.80
Nov. 13	14.86	Nov. 27	10.00	June 27	11.63		

2. L. R. Rouse. Near Grifton. Lat $35^{\circ}23'30''$, long $77^{\circ}28'36''$. Drilled domestic artesian well in sand of Black Creek formation, diam 2 in, depth 350 ft, cased to 350. Lsd 38.42 ft above msl. MP top of casing, 1.54 ft above lsd. Highest water level 0.25 below lsd, Apr. 1, 1954; lowest 12.14 below lsd, Sept. 25, 1958. Records available: 1954-55, 1957-58.

Mar. 9, 1954	0.86	Dec. 14, 1954	4.20	Nov. 27, 1957	8.93	June 27, 1958	10.47
Apr. 1	.25	Apr. 13, 1955	5.26	Dec. 27	6.36	July 30	11.68
May 7	1.48	June 15	6.06	Jan. 29, 1958	10.81	Aug. 28	11.56
June 22	4.68	Dec. 21	7.12	Mar. 11	11.11	Sept. 25	12.14
July 22	2.00	May 7, 1957	9.36	31	10.85	Nov. 25	11.99
Aug. 10	2.53	Sept. 25	10.42	Apr. 23	10.80	Dec. 31	11.77
Nov. 13	4.08	Oct. 25	11.20	May 30	11.00		

Moore County

1. Pure Oil Station. Pinebluff. Lat $35^{\circ}06'$, long $79^{\circ}28'$. Dug unused water-table well in sand of Tuscaloosa formation, diam 24 in, depth 47 ft, cribbed with brick. MP top of wood platform, 3.55 ft above lsd. Highest water level 31.87 below lsd, Jan. 23, 1954; lowest dry several times, 1951-52. Records available: 1944-58.

NORTH CAROLINA, ORANGE COUNTY

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1--Continued.

Mean water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	45.98	46.33	36.30	35.26	39.66	43.65	46.05	46.44	46.54	46.11	45.20	42.90
10	45.97	46.44	36.38	36.16	40.36	44.05	46.48	46.49	46.48	46.02	44.80	42.62
15	46.00	46.57	37.17	37.05	41.11	44.47	46.35	46.53	46.48	45.91	44.40	42.40
20	46.05	46.67	33.56	37.84	41.85	44.83	46.37	46.51	46.54	45.75	44.02	42.27
25	46.14	40.30	33.94	38.46	42.50	45.22	46.41	46.48	46.48	45.53	43.58	42.14
Eom	46.25	38.98	34.45	39.03	43.17	45.66	46.43	46.52	46.24	45.31	43.21	42.01

1957

5	38.50	38.79	.....	36.66	.....	.....	37.34	34.15	33.19	.....	.....
10	38.48	38.85	.....	34.65	36.99	.....	37.84	33.74	.....	.....	.....
15	38.53	38.91	.....	35.14	33.72	.....	38.52	33.77	.....	.....	.....
20	38.62	38.96	.....	35.55	34.02	.....	38.75	33.97	.....	.....	.....
25	38.69	39.04	.....	35.99	33.91	.....	38.66	34.09	.....	.....	.....
Eom	38.72	39.04	.....	36.39	34.05	.....	36.87	33.93	34.10	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8, 1958	33.03	Oct. 29, 1958	33.90	Nov. 19, 1958	34.34	Dec. 10, 1958	34.34
Oct. 15 22	33.80	Nov. 5 12	33.98 34.34	26 Dec. 3	34.20 34.30	17 31	34.80 35.80

Northampton County

1. Boomer Ice Co. Rich Sq. Lat $36^{\circ}16'$, long $77^{\circ}17'$. Drilled unused artesian well in sand of Tuscaloosa formation, diam 10 in, depth 88 ft, cased to 88. Lsd 74.44 ft above msl. MP top of casing, 0.56 ft above lsd. Highest water level 5.37 below lsd, Mar. 27, 1958; lowest 11.47 below lsd, Sept. 23, Nov. 24, 1958. Records available: 1958.

Jan. 27, 1958	7.66	Apr. 22, 1958	6.49	July 29, 1958	11.01	Oct. 28, 1958	11.43
Feb. 24	7.72	May 29	7.55	Aug. 27	10.40	Nov. 24	11.47
Mar. 27	5.37	June 26	10.23	Sept. 23	11.47	Dec. 30	10.74

Orange County

1. McCauley, Chi Psi Fraternity, Chapel Hill. Lat $35^{\circ}55'$, long $79^{\circ}04'$. Dug unused water-table well in granite, diam 36 in, depth 48 ft, lined with rock. MP gage pointer, 3.24 ft above lsd. Highest water level 38.48 below lsd, Mar. 21, 1946; lowest dry, Oct. 11-Dec. 31, 1940 (previously reported 46.41 below lsd, Jan. 21, 1952). Records available: 1938-58.

Jan. 2, 1956	46.43	Sept. 4, 1956	45.85	July 8, 1957	43.54	Feb. 17, 1958	41.90
9	46.50	10	46.07	15	43.65	24	41.73
16	46.56	17	46.22	22	43.78	Mar. 3	41.47
23	46.61	24	46.39	29	43.87	10	41.35
30	46.65	Oct. 1	46.47	Aug. 5	43.99	17	41.19
Feb. 6	46.55	8	46.58	12	44.14	24	41.11
13	46.45	15	46.68	19	44.20	31	40.80
20	46.35	22	46.49	26	44.10	Apr. 8	40.65
27	46.25	29	46.61	Sept. 4	44.24	14	40.44
Mar. 5	46.17	Nov. 5	46.67	9	44.29	21	40.16
12	46.10	19	46.72	16	44.35	28	39.98
19	45.72	26	46.74	23	44.30	May 5	39.67
26	45.59	Dec. 3	46.77	30	44.20	12	39.18
Apr. 2	45.46	Mar. 4, 1957	44.96	Oct. 7	44.09	19	38.88
9	45.30	11	44.63	14	44.19	26	38.67
16	45.04	18	44.36	21	44.22	June 2	38.59
23	44.99	25	44.09	28	44.19	9	38.58
30	44.89	Apr. 1	43.93	Nov. 4	44.17	16	38.60
May 7	44.76	8	43.76	18	44.29	23	38.68
14	44.68	15	43.71	25	44.04	30	38.90
21	44.65	23	43.56	Dec. 2	43.85	July 7	39.03
28	44.59	29	43.49	9	43.60	16	39.20
June 14	44.53	May 6	43.47	16	43.45	21	39.35
18	44.55	13	43.39	23	43.34	28	39.50
25	44.58	20	43.34	30	43.17	Aug. 4	38.68
July 2	44.66	27	43.33	Jan. 6, 1958	43.06	18	40.05
9	44.76	June 3	43.37	13	43.01	25	40.23
16	44.88	10	43.37	20	42.81	Sept. 2	40.48
Aug. 6	45.29	17	43.40	27	42.44	8	40.58
13	45.46	24	43.43	Feb. 3	42.26	15	40.80
27	45.76	July 1	43.45	10	42.05	22	40.98

1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 29, 1958	41.19	Oct. 27, 1958	41.83	Nov. 24, 1958	42.48	Dec. 15, 1958	42.92
Oct. 6	41.37	Nov. 3	42.01	Dec. 1	42.63	22	43.06
13	41.54	17	42.35	8	42.75	29	42.91
20	41.66						

Pasquotank County

31T. Elizabeth City. Lat 36°18', long 76°17'. Dug unused water-table well in sands of Pleistocene age, diam 18 in, depth 8 ft, lined with tile. MP gage pointer, 1.89 ft above lsd. Highest water level 0.02 above lsd, Feb. 6, 1957; lowest 8.00 below lsd, Dec. 21, 1943. Records available: 1935-57.

Jan. 4, 1956	-3.82	July 4, 1956	-5.24	Jan. 2, 1957	-1.95	July 3, 1957	-4.91
11	3.19	11	1.85	9	1.72	10	4.99
18	1.45	18	3.35	16	1.49	17	5.12
25	.57	25	.55	23	1.25	24	5.23
Feb. 1	1.43	Aug. 1	.99	30	-.10	Aug. 1	5.35
8	.34	8	1.65	Feb. 6	+.02	7	5.53
15	.58	15	2.73	14	-.32	14	5.65
22	.68	22	3.48	20	.34	21	3.88
29	.49	29	4.22	27	.19	28	4.71
Mar. 7	1.58	Sept. 5	4.88	Mar. 6	.31	Sept. 4	4.87
14	1.18	12	5.95	13	1.04	11	3.89
21	.63	19	5.39	20	.32	18	1.21
28	1.78	27	5.45	27	.28	25	3.11
Apr. 4	1.88	Oct. 3	5.50	Apr. 3	1.18	Oct. 2	.16
11	.43	10	5.08	10	1.40	9	.01
18	1.39	17	5.66	17	2.05	16	.97
25	2.13	24	.60	24	2.50	23	.26
May 2	2.11	31	.27	May 1	2.97	30	.84
9	1.71	Nov. 7	1.10	8	3.56	Nov. 6	.21
16	2.49	14	1.35	15	3.83	13	.55
23	2.92	21	1.80	22	4.36	20	.12
30	3.62	28	2.29	29	4.69	27	.02
June 7	3.75	Dec. 5	2.44	June 5	4.79	Dec. 4	.02
13	4.34	12	2.75	12	5.03	11	.00
20	4.56	19	2.68	19	4.62	18	.23
27	4.93	26	1.58	26	4.77	25	.03

33T. Elizabeth City. Lat 36°18', long 76°15'. Drilled observation water-table well in sand, diam 6 in, depth 20 ft, cased to 20. MP top of wood platform, 0.50 ft above lsd. Highest water level 1.38 below lsd, Mar. 31, 1946; lowest 17.03 below lsd, Oct. 28, 1942. Records available: 1938-51, 1953-58. Nov. 20, 1956, 9.03; June 18, 1957, 2.10; Feb. 19, 1958, 1.88; July 2, 4.64.

Pender County

43. Rooks Colored Church. Near Currie. Lat 34°29', long 78°04'. Drilled domestic artesian well in sand of PeeDee formation, diam 3 in, depth 140 ft, cased to 135. MP top of casing, 0.50 ft above lsd. Highest water level 3.59 below lsd, Mar. 10, 1954; lowest 6.06 below lsd, Aug. 24, 1954. Records available: 1954-57. Jan. 12, 1956, 4.33; Apr. 25, 4.16; July 10, 4.33; Oct. 3, 4.85; Jan. 22, 1957, 5.37; Apr. 18, 3.87.

Surry County

1. A. D. Terrell. Lat 36°20', long 80°43'. Dug domestic water-table well in weathered granite, diam 5 ft, depth 55 ft, cribbed with rock. MP gage-height indicator, 1.00 ft above lsd. Highest water level 38.24 below lsd, Aug. 4, 1958; lowest dry, Jan. 2-Apr. 5, 1957. Records available: 1938-47, 1949-58.

Jan. 1, 1956	48.22	Apr. 16, 1956	48.31	July 30, 1956	48.34	Nov. 19, 1956	48.32
7	48.28	29	48.31	Aug. 7	48.34	Dec. 2	48.32
15	48.31	May 7	48.31	11	48.34	12	48.32
21	48.33	14	48.35	23	48.32	25	48.32
28	48.32	26	48.31	Sept. 4	48.31	Jan. 2, 1957	(f)
Feb. 8	48.17	June 10	48.34	18	48.32	8	(f)
19	48.34	19	48.34	27	47.95	18	(f)
Mar. 1	48.35	26	48.34	Oct. 14	48.31	27	(f)
18	48.34	July 8	48.34	24	48.31	Feb. 8	(f)
28	48.33	15	48.35	31	48.32	19	(f)
Apr. 6	48.35	22	48.34	Nov. 8	48.32	25	(f)

NORTH CAROLINA, WILSON COUNTY

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1--Continued.

Date	Water level						
Mar. 13, 1957	(f)	Aug. 16, 1957	45.72	Feb. 12, 1958	44.48	July 20, 1958	38.92
25	(f)	20	45.51	19	44.38	Aug. 4	38.24
Apr. 5	(f)	Sept. 9	45.24	Mar. 1	44.01	14	38.54
19	48.14	21	44.75	16	43.79	25	38.45
28	48.24	Oct. 3	44.88	23	41.36	Sept. 8	38.69
May 12	48.23	17	44.99	31	42.34	25	38.79
19	48.24	27	44.97	Apr. 6	42.29	Oct. 6	38.95
June 7	48.18	Nov. 2	44.98	20	42.77	22	39.21
8	47.79	11	45.02	29	41.45	Nov. 2	39.36
17	47.58	24	44.75	May 10	42.01	7	39.55
24	47.42	30	44.54	19	41.68	23	40.01
30	47.25	Dec. 12	44.78	June 2	40.97	Dec. 3	40.19
July 7	47.02	19	44.90	13	40.35	8	40.36
16	46.71	Jan. 12, 1958	44.86	27	39.71	19	40.63
26	46.23	24	44.59	July 1	39.57	27	40.85
Aug. 6	46.58	27	44.52	13	39.11		

f Dry.

Transylvania County

1. C. F. Baldwin, Blantyre. Lat $35^{\circ}17'$, long $82^{\circ}38'$. Dug unused water-table well in granite, diam 5 ft, depth 50 ft, lined with rock. MP top of wood platform, 1.00 ft above lsd. Highest water level 27.65 below lsd, May 28, 1946; lowest 41.32 below lsd, Dec. 25-27, 1954, Jan. 2, 3, 7, 1955. Records available: 1932-58.

Mean water level for the day, from nonrecording gage, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	39.55	40.21	39.12	37.14	35.69	34.58	34.52	35.02	36.32	38.03	38.95	39.12
10	39.66	40.12	38.88	36.88	35.45	34.48	34.59	35.16	36.61	38.25	38.98	39.13
15	39.78	40.06	38.47	36.60	35.24	34.43	34.67	35.31	36.88	38.40	39.05	39.15
20	39.90	39.91	38.12	36.35	35.07	34.40	34.74	35.51	37.21	38.60	39.05	39.14
25	40.03	39.61	37.82	36.14	34.91	34.41	34.81	35.74	37.49	38.76	39.04	39.08
Eom	40.18	39.46	37.46	35.90	34.71	34.45	34.92	36.03	37.78	38.85	39.07	38.97

1957

5	38.87	38.02	36.79	34.78	33.90	32.93	32.65	32.78	34.08	35.13	34.94	34.19
10	38.76	37.83	36.53	34.93	33.69	32.89	32.61	32.93	34.35	35.20	34.84	34.02
15	38.63	37.65	36.28	34.73	33.51	32.83	32.59	33.13	34.54	35.23	34.71	33.91
20	38.54	37.45	35.98	34.54	33.34	32.78	32.60	33.35	34.74	35.21	34.54	33.58
25	38.39	37.18	35.75	34.33	33.22	32.73	32.62	33.56	34.92	35.08	34.45	33.46
Eom	38.21	37.06	35.46	34.11	33.07	32.58	32.68	33.86	35.04	35.00	34.30	33.25

1958

5	33.09	32.07	31.30	30.45	29.44	28.44	29.03	30.52	31.39	32.15	32.95	33.67
10	32.86	31.93	31.13	30.28	29.30	28.31	29.31	30.70	31.48	32.25	33.07	33.87
15	32.61	31.77	31.01	30.14	29.11	28.29	29.59	30.91	31.61	32.41	33.20	33.98
20	32.52	31.68	30.87	30.02	28.89	28.40	29.80	31.03	31.73	32.50	33.36	34.06
25	32.30	31.51	30.76	29.88	28.70	28.55	30.06	31.11	31.87	32.65	33.49	34.21
Eom	32.18	31.35	30.55	29.64	28.52	28.78	30.33	31.27	31.98	32.84	33.63	34.28

Wayne County

29. City of Goldsboro. Water treatment plant. Lat $35^{\circ}24'42''$, long $78^{\circ}00'45''$. Drilled unused artesian well in sand of Tuscaloosa formation, diam 8 in, depth 110 ft, cased to 110. Lsd 161.12 ft above msl. MP top of 2-in reducing coupling, 1.85 ft above lsd. Highest water level 6.35 below lsd, May 7, 1958; lowest 9.35 below lsd, July 31, 1956. Records available: 1956-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 13, 1956	8.82	Dec. 27, 1957	7.08	May 7, 1958	6.35	Sept. 3, 1958	9.05
31	9.35	Feb. 5, 1958	6.84	June 5	7.07	Oct. 6	8.72
Oct. 25, 1957	7.70	Mar. 7	6.97	July 7	7.96	Nov. 4	8.98
Nov. 27	7.32	Apr. 15	6.60	Aug. 4	8.36	Dec. 5	9.01

Wilson County

149. Town of Stantonburg. Lat $35^{\circ}38'$, long $77^{\circ}49'$. Drilled municipal artesian well in sand of Tuscaloosa formation, diam 6 in, depth 151 ft, cased to 151. Lsd 86.84 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 19.31 below lsd, Nov. 26, 1947; lowest 27.45 below lsd, Oct. 9, 1957. Records available: 1947-58.

Apr. 24, 1956	24.72	June 20, 1957	25.84	Oct. 9, 1957	27.45	Aug. 28, 1958	27.01
Nov. 21	24.66	Sept. 9	26.95	Dec. 31	25.62	Dec. 31	26.18
June 4, 1957	25.52						

SOUTH CAROLINA

By George E. Siple

The observation-well program in South Carolina was continued during 1956-58 as part of the cooperative ground-water program begun in 1946 with the State Development Board. Figure 11 shows the location of observation wells included in this report.

Well-Numbering System

Wells are designated by abbreviations derived from county names and by serial numbers. For example, AK-1 is well 1 in Aiken County.

Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum unless otherwise indicated.

Aiken County

AK-1. Lyles & Lang Construction Co. Near Beech Island. Lat $33^{\circ}26'$, long $81^{\circ}53'$. Drilled unused artesian well in sand of Late Cretaceous age, diam 10 in, depth 320 ft, cased to 320, screened 290-320. Lsd about 254 ft above msl. MP top of casing, 0.85 ft above lsd. Highest water level 94.50 below lsd, Apr. 2, 1952; lowest 99.43 below lsd, Mar. 4, 1958. Records available: 1952-58. For additional measurements, see Siple (1957a).

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	97.54	97.56	97.61	97.46	.....	97.74	97.93	97.92	98.24	97.97	.....	98.43
10	.....	97.59	97.69	97.57	97.66	97.73	.....	98.00	98.04	.....	98.16	98.25
15	97.55	97.68	97.69	97.37	97.48	97.82	97.95	97.96	97.82	98.04	98.21	98.15
20	97.59	97.64	97.59	97.60	97.58	97.81	97.90	97.91	.....	98.17	98.28	98.26
25	97.68	97.61	97.64	.....	97.71	97.76	97.96	98.02	97.92	98.25	98.11	.....
Eom	97.84	97.68	97.42	.....	97.69	97.83	97.99	98.20	97.98	.....	98.22	.....

1957

5	.....	98.19	98.26	98.17	98.21	98.37	98.45	98.36	98.60	98.41	98.54	98.26
10	.....	97.31	98.24	98.22	98.29	.....	98.51	98.53	98.62	98.52	98.75	98.07
15	98.20	97.97	98.28	98.31	98.17	98.38	98.38	98.61	98.55	98.60	98.45	98.24
20	98.38	.....	98.17	98.28	98.11	98.38	98.43	98.50	98.57	98.66	98.50	98.13
25	98.32	98.26	98.11	98.32	98.30	98.44	98.44	98.53	98.60	98.37	98.29	98.11
Eom	98.10	.....	98.30	98.25	98.34	98.34	98.48	98.67	98.54	98.47	98.17	98.16

1958

5	98.18	98.18	.....	.....	96.85	97.19	97.09	97.01	97.37	97.25	.....	.....
10	98.11	.....	97.68	.....	96.86	97.16	.....	97.01	97.21	97.25	.....	.....
15	.....	.....	97.50	97.36	97.15	96.89	97.04	97.14	97.29	.....	.....	.....
20	.....	.....	.....	96.32	.....	97.07	96.80	97.18	97.26	.....	.....	.....
25	.....	97.33	.....	96.76	.....	.....	96.90	97.09	97.34	97.14	.....	.....
Eom	98.00	97.17	.....	.....	97.08	97.28	97.04	97.21	97.35	.....	.....	.....

AK-2. U. S. Government. Lat $33^{\circ}20'$, long $81^{\circ}45'$. Drilled unused artesian well in sand of Late Cretaceous age, diam 8 in, depth 605 ft, cased to 605, screened 390-400, 455-465, 590-600. Lsd 357 ft above msl. MP top of casing, at lsd. Highest water level 155.34 below lsd, Apr. 25, 1955; lowest 158.22 below lsd, May 28, 1957. Records available: 1955-58. For additional measurements, see Siple (1957a).

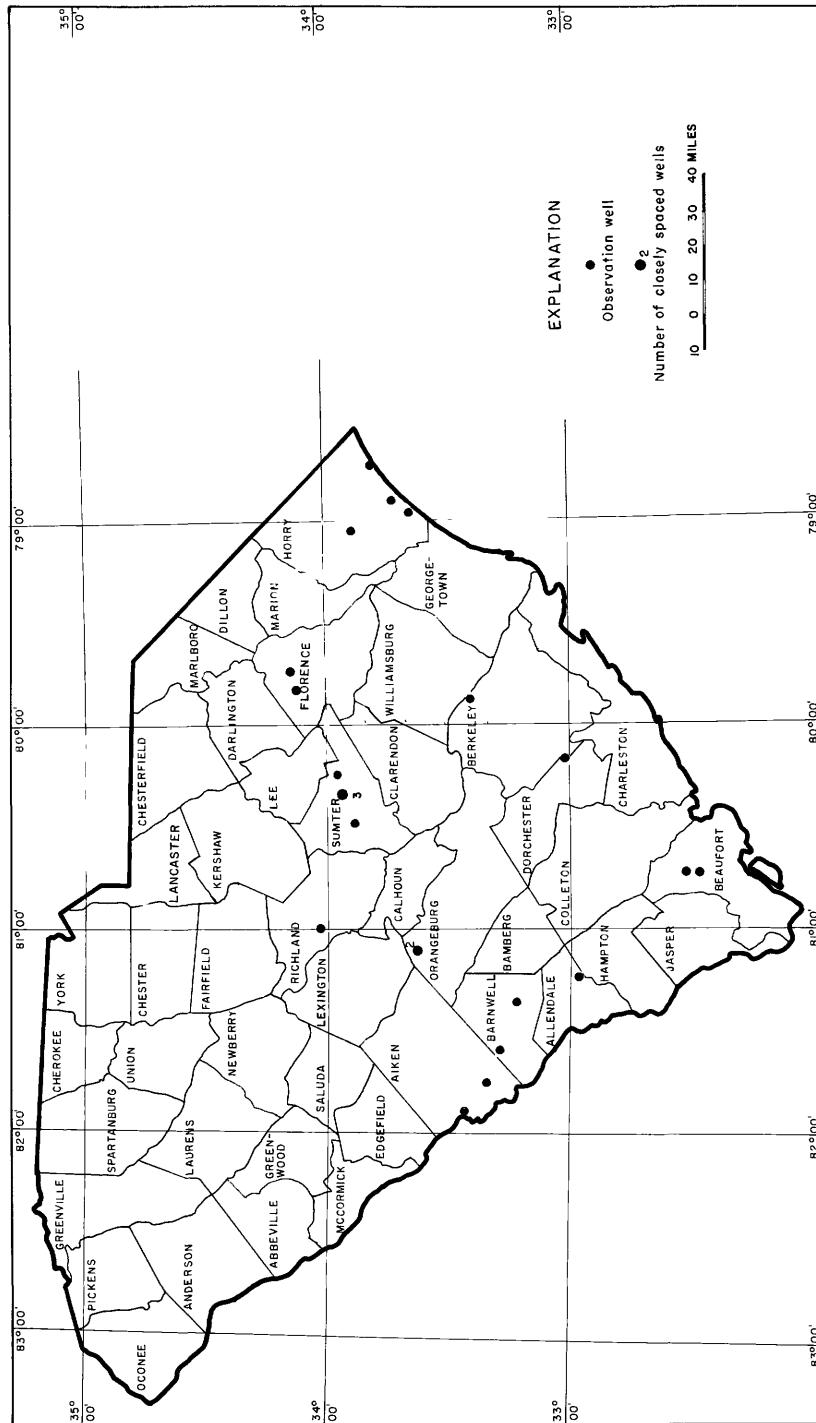


Figure 11.--Location of observation wells in South Carolina, 1956-58.

AK-2--Continued.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	156.53	156.70	156.66	157.20	156.19	155.90	156.35	156.05	156.12	156.45	156.14	
10	156.12	156.76	157.07	156.85	157.01	156.32	156.10	155.66	156.24	156.00	156.30	156.35
15	156.64	156.83	156.91	156.67	157.16	155.83	156.15	155.86	156.30	156.40	155.93	156.14
20	156.65	156.85	156.89	157.03	157.10	155.90	156.07	156.02	156.24	156.34	156.28	156.01
25	156.85	156.88	156.75	157.20	156.66	156.09	156.20	155.89	156.38	156.20	156.70	156.71
Eom	156.95	156.71	156.81	156.90	156.83	.....	156.20	155.77	156.31	156.40	156.15	156.60

1957

5	156.25	157.95	157.88	157.95	157.73	158.02	158.16	158.25	158.35	158.15	158.50	158.20
10	156.32	158.08	158.00	157.85	158.10	157.80	158.24	158.43	158.52	158.27	158.42	157.62
15	156.30	158.30	158.05	157.85	158.00	158.00	158.10	158.49	158.49	158.09	158.38	158.20
20	156.17	158.04	157.97	157.52	159.20	158.11	158.38	158.44	158.46	157.99	158.50	157.91
25	156.13	157.85	157.64	157.83	158.30	157.90	158.53	158.62	158.70	158.23	158.04	157.96
Eom	.....	157.96	157.77	157.92	158.54	157.74	158.40	158.60	158.22	158.45	158.10	157.90

1958

5	158.31	158.21	158.34	157.35	156.96	157.61	157.23	157.32	157.06	156.80	156.78	156.55
10	158.28	157.90	157.60	157.62	157.57	157.19	157.42	157.22	156.90	157.02	156.31	156.59
15	157.97	158.29	158.15	157.23	157.51	157.30	157.22	157.25	156.58	156.97	156.71	156.25
20	158.06	158.74	157.99	157.29	157.34	157.59	157.26	157.10	157.00	156.63	156.54	156.27
25	157.84	158.22	157.62	157.74	157.38	157.88	157.51	156.70	156.98	156.82	156.28	156.22
Eom	158.04	158.04	157.29	157.60	157.35	157.30	157.52	156.93	156.80	156.91	156.32	156.17

Allendale County

AL-1. Mr. Easton, Fairfax. Lat 32°57', long 81°14'. Drilled unused artesian well in sand of Late Cretaceous age, diam 8 in, depth 660 ft, cased to 660. Lsd about 135 ft above msl. MP 1-in tee, 4.50 ft above lsd. Highest water level 39.0 above lsd, June 19, 1947; lowest 29.9 above lsd, Aug. 9, 1956, Aug. 29, 1957. Records available: 1946-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1, 1956	+31.1	Nov. 3, 1956	+31.1	Aug. 29, 1957	+29.9	May 27, 1958	+31.1
26	31.1	30	30.5	Sept. 28	30.5	June 25	30.5
Mar. 29	31.6	Jan. 5, 1957	31.1	Oct. 23	30.5	July 26	30.5
Apr. 29	31.6	Mar. 8	30.8	Nov. 27	30.5	Aug. 26	30.5
June 6	31.6	30	31.1	Jan. 5, 1958	30.5	Sept. 26	30.5
July 7	30.8	Apr. 27	31.1	Feb. 2	31.1	Oct. 21	30.5
Aug. 9	29.9	June 1	31.1	Mar. 2	31.1	Nov. 22	30.5
Sept. 8	31.4	29	31.1	29	31.1	Dec. 30	31.1
28	31.1	July 28	30.5	Apr. 26	31.1		

Barnwell County

BW-1. Town of Barnwell. Municipal well field. Lat 33°14', long 81°21'. Drilled unused artesian well in sand of Tertiary age, diam 6 in, depth 145 ft, cased to 145. Lsd about 215 ft above msl. MP top of casing, 0.30 ft above lsd. Highest water level 28.58 below lsd, May 17, 1954; lowest 58.79 below lsd, Jan. 20, 1953 (previously reported 56.92 below lsd, Sept. 15, 1953). Records available: 1948-58. Affected by pumping.

Mar. 29, 1956	38.75	Mar. 8, 1957	33.96	Oct. 23, 1957	34.05	June 25, 1958	34.97
July 7	31.10	30	34.24	Nov. 27	33.79	July 26	38.08
Aug. 9	32.00	Apr. 27	34.60	Jan. 5, 1958	33.49	Aug. 26	43.12
Sept. 8	33.27	June 1	34.25	Feb. 2	33.18	Sept. 26	43.88
28	32.12	29	34.61	Mar. 2	32.62	Oct. 21	44.13
Nov. 3	33.16	July 28	33.75	29	31.79	Nov. 22	32.82
30	32.74	Aug. 29	33.89	Apr. 26	35.67	Dec. 30	32.77
Jan. 5, 1957	33.06	Sept. 28	35.83	May 27	34.13		

BW-2. U. S. Government. Lat 33°17', long 81°35'. Drilled unused artesian well in sand of Late Cretaceous age, diam 8 in, depth 485 ft, cased to 485, screened 375-475. Lsd 304 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 107.63 below lsd, Feb. 11, 1955; lowest 109.71 below lsd, Nov. 11, 1957. Records available: 1955-58. For additional measurements, see Siple (1957a).

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	108.29	108.24	108.19	108.50	108.93	108.77	108.86	108.99	108.75	.....
10	108.41	108.22	108.24	108.52	108.87	108.78	108.78	108.88	108.85	.....
15	108.30	108.05	108.17	108.53	108.98	108.67	108.82	108.88	108.93	.....
20	108.26	108.20	108.34	108.60	108.91	108.72	108.81	108.99	108.04	109.09	109.09
25	108.32	108.29	108.50	108.59	108.80	108.71	109.01	109.01	109.11	108.96	
Eom	108.20	108.24	108.50	108.38	108.77	108.87	108.98	109.05	108.88	108.92	

BW-2--Continued.

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	109.00	109.01	108.91	108.86	108.75	108.89	109.32	109.51	109.18	109.40	109.51	109.38
10	109.10	109.03	108.93	108.88	108.80	109.07	109.46	109.43	109.17	109.37	109.69	109.12
15	108.88	109.02	108.96	108.93	108.74	109.07	109.55	109.37	109.18	109.31	109.48	109.46
20	108.69	109.03	108.94	108.88	108.77	109.05	109.60	109.37	109.15	109.64	109.40	109.32
25	108.83	108.04	108.80	108.88	108.84	109.09	109.53	109.31	108.07	108.44	109.28	109.38
Eom	109.00	108.90	108.99	108.88	108.91	109.18	.....	109.12	109.17	109.50	109.27	109.36

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	109.49	109.13	109.46	108.74	109.07	.....	.....	.....	.....	.....	.....	.....
10	109.40	109.08	109.17	108.85	108.85	.....	.....	.....	.....	.....	.....	.....
15	109.23	109.13	109.08	109.12	108.71	.....	.....	.....	.....	.....	.....	.....
20	109.35	109.34	108.97	109.01	.....	.....	.....	.....	.....	.....	.....	.....
25	109.01	109.28	108.91	109.02	.....	.....	.....	.....	.....	.....	.....	.....
Eom	109.07	109.16	108.76	109.14	.....	.....	.....	.....	.....	.....	.....	.....

Beaufort County

BFT-1. U. S. Navy. Lat 32°28', long 80°44'. Drilled observation artesian well in limestone of Eocene age, diam 10 in, depth 105 ft, cased to 85, open hole 85-105. Lsd 30.11 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 8.67 below lsd, Apr. 22, 1958; lowest 21.44 below lsd, Aug. 22, 1956. Records available: 1955-58. Affected by pumping 0.25 mi away. For additional measurements see Siple (1957b).

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.05	.....	17.00	12.35	16.80	18.05	18.01	17.95	18.50	18.14	12.90	13.70
10	12.16	.....	11.95	12.95	17.27	17.90	18.00	18.85	18.68	18.18	12.90	13.95
15	11.90	.....	11.90	16.25	16.87	18.45	13.84	19.00	19.98	18.10	13.15	14.40
20	12.33	.....	11.89	16.83	17.22	18.25	17.70	19.87	20.05	18.19	13.15	15.35
25	12.08	.....	16.54	16.90	17.80	18.35	17.41	21.14	18.99	13.35	13.00	13.50
Eom	.....	17.35	17.06	17.04	18.70	18.30	18.19	18.45	18.17	12.90	14.15	18.35

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.67	14.20	13.50	17.95	17.28	11.46	10.47	12.92	10.11	13.74	15.28	10.21
10	19.18	13.70	13.07	18.15	17.34	11.14	13.20	13.49	10.15	13.91	15.31	10.07
15	20.53	14.17	18.13	18.42	17.16	10.75	10.80	13.23	9.99	14.39	15.40	14.12
20	19.00	13.55	18.35	17.98	16.60	10.85	11.45	10.54	14.00	14.47	15.29	14.19
25	14.50	13.93	18.17	18.00	18.03	10.97	14.96	9.58	14.26	14.74	10.65	9.98
Eom	14.40	13.37	17.88	18.17	11.72	10.50	12.67	9.81	14.06	14.76	10.35	10.24

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	14.15	14.14	14.40	13.35	9.90	10.16	11.15	11.20	11.60	16.23	17.20	12.78
10	14.47	14.29	13.71	13.20	9.60	10.67	13.55	12.41	11.68	16.36	17.04	12.91
15	14.36	14.20	13.77	.....	9.38	10.68	11.25	11.87	11.61	16.56	16.96	13.54
20	14.18	14.45	13.85	.....	10.44	11.18	11.15	11.60	1.85	16.67	13.45	12.95
25	13.78	14.73	13.95	9.07	9.74	10.88	11.35	14.78	12.07	16.70	12.42	12.68
Eom	13.97	14.17	13.47	9.40	10.07	10.78	11.60	14.78	16.38	16.42	12.37	12.75

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	11.98	11.80	11.10	10.64	9.55	9.99	.....	9.45	10.49	9.45	10.35	10.33
10	12.10	11.61	11.42	11.17	9.85	9.74	.....	.....	10.37	9.76	10.77	9.60
15	11.70	11.32	10.90	10.67	.....	10.07	.....	9.84	10.38	9.85	10.46	10.06
20	11.72	11.35	11.07	10.70	.....	.....	9.70	10.04	10.20	10.16	10.34	9.72
25	11.67	11.38	10.75	10.90	.....	.....	9.91	9.72	9.81	9.99	10.08	10.11
Eom	11.82	11.30	10.70	10.90	9.83	.....	9.18	10.25	9.71	10.31	10.07	10.15

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	10.28	10.30	10.00	9.14	9.96	10.20	.....	11.12	.....	11.10	11.46	11.45
10	9.91	10.25	9.45	9.54	10.30	10.62	.....	.....	11.17	10.70	11.02	11.48
15	9.75	10.21	9.82	9.80	.....	10.93	.....	11.08	10.87	10.80	11.11	11.29
20	9.88	10.70	9.82	.....	.....	10.77	.....	.....	11.15	10.80	11.40	.....
25	9.83	10.54	9.83	10.06	.....	10.64	11.00	11.22	11.05	10.85	11.49	11.66
Eom	9.92	10.09	.....	9.92	10.03	10.60	11.07	.....	11.15	11.13	11.53	11.33

Berkeley County

BRK-1. Santee River Hardwood Co. Saint Stephen. Lat $33^{\circ}25'$, long $79^{\circ}56'$. Drilled artesian well in sand of Late Cretaceous age, diam 6 in, depth 900 ft. Lsd about 75 ft above msl. MP top of casing, 0.85 ft above lsd. Highest water level 15.37 below lsd, Mar. 2, 1958; lowest 19.81 below lsd, Aug. 9, 1956. Records available: 1946-58. Affected by pumping. For additional measurements, see Siple (1946).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1, 1956	c20.24	Nov. 3, 1956	18.33	Aug. 28, 1957	b21.28	May 27, 1958	17.04
26	c18.81	Dec. 1	17.87	Sept. 28	18.08	June 25	18.09
Mar. 29	c18.60	Jan. 5, 1957	17.69	Oct. 23	19.76	July 26	17.58
Apr. 29	18.59	Mar. 8	17.51	Nov. 27	18.88	Aug. 26	18.40
June 5	18.43	30	17.83	Jan. 5, 1958	18.35	Sept. 26	18.51
July 7	19.54	Apr. 27	17.99	Feb. 2	17.50	Oct. 22	17.84
Aug. 9	19.81	June 1	18.90	Mar. 2	15.37	Nov. 23	18.31
Sept. 7	19.77	29	19.34	29	17.20	Dec. 30	18.38
29	18.82	July 28	18.95	Apr. 26	17.05		

b Well pumped recently.

c Nearby well being pumped.

Dorchester County

DOR-1. Town of Summerville. Near town hall on Main St. Lat $33^{\circ}01'$, long $80^{\circ}10'$. Drilled unused artesian well in sand of Late Cretaceous age, diam 8 in, depth 925 ft, cased to 925, screened 913-925. Lsd about 70 ft above msl. MP top of casing, 0.30 ft above lsd. Highest water level 19.49 below lsd, Jan. 31, 1954; lowest 28.22 below lsd, Apr. 30, 1949. Records available: 1948-58. For additional measurements, see Siple (1957c).

Feb. 1, 1956	21.79	Dec. 1, 1956	21.83	Aug. 28, 1957	22.24	May 27, 1958	21.57
Mar. 30	21.02	Jan. 1, 1957	21.34	Sept. 28	22.30	June 25	21.98
Apr. 29	21.02	Feb. 2	20.95	Oct. 23	22.30	July 26	22.22
June 5	21.18	Mar. 8	20.84	Nov. 27	21.96	Aug. 26	22.32
July 7	22.18	30	20.94	Jan. 5, 1958	22.00	Sept. 26	22.36
Aug. 9	22.37	Apr. 27	20.95	Feb. 2	21.54	Oct. 21	22.23
Sept. 7	22.43	June 1	21.26	Mar. 2	21.49	Nov. 23	22.37
29	22.23	29	21.52	28	21.46	Dec. 30	22.20
Nov. 3	21.75	July 28	21.03	Apr. 26	21.35		

Florence County

FLO-1. Town of Timmonsville. Near reservoir. Lat $34^{\circ}08'$, long $79^{\circ}51'$. Drilled unused artesian well in sand of Late Cretaceous age, diam 5 in, depth 165 ft, cased to 165. Lsd about 150 ft above msl. MP top of casing, 0.55 ft above lsd. Highest water level 15.39 below lsd, Feb. 23, 1950; lowest 23.79 below lsd, Oct. 2, 1955. Records available: 1950-58.

Jan. 3, 1956	18.24	Sept. 6, 1956	23.45	Mar. 31, 1957	j21.38	Oct. 24, 1957	k19.58
Feb. 25	18.37	30	21.85	Apr. 28	21.32	Nov. 28	k19.11
Apr. 1	18.28	Nov. 2	21.97	May 31	j21.06	Jan. 4, 1958	k19.53
28	18.27	Dec. 2	21.17	June 31	19.42	Feb. 1	k17.25
June 4	21.66	Jan. 6, 1957	21.08	July 27	k19.75	Mar. 1	k16.79
July 6	j40.52	Feb. 3	j21.32	Aug. 27	20.12	30	k17.33
Aug. 6	j28.04	Mar. 9	22.15	Sept. 28	19.18	Apr. 27	k17.19

j Well 25 ft distant being pumped.

k Well 500 ft distant being pumped.

FLO-2. City Products Corp. Florence. Lat $34^{\circ}12'$, long $79^{\circ}44'$. Drilled unused artesian well in sands of Tertiary and Late Cretaceous age, diam 8 in, depth 312 ft. Lsd about 145 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 32.11 below lsd, Sept. 1, 1956; lowest 52.08 below lsd, Dec. 20, 1957. Records available: 1956-58. Affected by pumping.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	35.19	36.73	35.37	32.99	38.29	38.65	39.02
10	36.41	35.49	34.05	38.89	38.90	39.18
15	37.97	36.32	35.10	35.72	38.90	38.97	38.89
20	39.72	36.15	35.34	37.90	39.69	38.96	38.61
25	38.54	36.00	35.35	39.00	39.59	39.34	38.70
Eom	37.28	35.77	33.35	.....	39.48	.....	39.33

FLO-2--Continued.

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	40.55	38.04	38.04	37.80	38.55	.....	44.12	45.48	47.94	47.40	47.47
10	40.92	41.57	37.99	37.57	37.25	39.47	.....	44.18	43.42	48.07	47.58	47.36
15	40.94	41.44	38.67	37.46	38.15	39.14	.....	44.41	48.61	47.44	.....	50.96
20	42.33	.....	37.70	38.25	38.20	46.00	.....	.....	50.08	48.21	.....	52.08
25	43.54	41.75	37.19	39.61	37.75	44.50	.....	.....	50.75	48.39	.....	48.80
Eom	42.91	41.74	38.04	39.03	.....	.....	44.43	44.82	48.37	47.76	47.36	.....

1958

5	.....	50.28	36.76	.....	.....	39.46	.....	.....	.....	40.33	38.60
10	41.84	.....	43.74	37.10	.....	40.58	.....	.....	.....	39.48	39.16
15	49.58	.....	40.32	36.60	.....	41.42	.....	.....	.....	39.40	42.34
20	.....	.....	39.02	36.19	.....	41.20	.....	.....	.....	39.64	43.79
25	.....	.....	38.04	35.76	.....	.....	.....	.....	40.30	39.40	44.93
Eom	.....	.....	36.95	.....	39.25	.....	.....	.....	40.53	40.00	44.50

Horry County

HO-1. St. Paul's Baptist Church. Lat 33°53', long 79°03'. Drilled unused artesian well in sand of Late Cretaceous age, diam 2 in, reported depth 250 ft. Lsd about 26 ft above msl. MP end of 1½-in elbow, 3.50 ft above lsd. Highest water level 10.7 above lsd, Feb. 28, 1947; lowest 5.8 above lsd, Nov. 2, 1956, June 26, July 27, Sept. 27, 1958. Records available: 1947-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	+7.5	Sept. 29, 1956	+7.5	July 27, 1957	+7.0	May 28, 1958	+6.4
Feb. 25	7.8	Nov. 2	5.8	Sept. 29	7.0	June 26	5.8
Mar. 31	7.3	Dec. 1	6.4	Oct. 24	7.0	July 27	5.8
Apr. 1	7.8	Jan. 6, 1957	6.4	Nov. 28	7.5	Aug. 27	6.1
28	7.5	Feb. 3	6.4	Jan. 4, 1958	7.0	Sept. 27	5.8
June 4	7.5	Mar. 9	7.0	Feb. 1	7.5	Oct. 22	6.4
July 6	7.0	31	7.5	Mar. 1	6.4	Nov. 23	7.0
Aug. 6	7.5	Apr. 28	7.5	30	6.4	Dec. 29	7.0
Sept. 7	7.0	May 31	7.0	Apr. 27	6.4		

HO-2. K. C. Ellsworth. Briarcliff Acres. Lat 33°48', long 78°42'. Drilled domestic artesian well in sand of Late Cretaceous age, diam 10 in, depth 587 ft, cased to 587. Lsd about 25 ft above msl. MP 2½-in discharge pipe, 0.75 ft above lsd. Highest water level 12.5 above lsd, Jan. 31, 1951; lowest 2.5 above lsd, July 6, 1956, June 1, 1957, July 27, Sept. 27, Nov. 23, 1958. Records available: 1947-58.

Jan. 31, 1956	+3.1	Dec. 1, 1956	+3.6	Sept. 29, 1957	+3.4	Apr. 27, 1958	+3.6
Feb. 26	3.6	Jan. 6, 1957	3.1	Oct. 23	b3.6	June 25	3.4
Mar. 30	3.6	Feb. 3	3.1	Nov. 28	4.2	July 27	2.5
Apr. 28	3.6	Mar. 9	3.1	Jan. 5, 1958	3.6	Aug. 27	3.1
July 6	2.5	31	3.9	Feb. 2	3.4	Sept. 27	2.5
Sept. 29	3.6	June 1	2.5	Mar. 2	3.1	Nov. 23	2.5
Nov. 3	3.1	Aug. 28	3.6	30	3.6		

b Well pumped recently.

HO-3. City of Myrtle Beach. Lat 33°41', long 78°54'. Drilled unused artesian and water-table well in sand of Late Cretaceous age, diam 8 in, depth 87 ft, cased to 87. Lsd 25 ft above msl. MP top of reducer choke, 2.05 ft above lsd. Highest water level 7.30 below lsd, Apr. 16, 1948; lowest 17.79 below lsd, Aug. 26, 1952. Records available: 1946-58.

Jan. 31, 1956	14.67	Nov. 3, 1956	13.40	July 28, 1957	j14.53	Apr. 27, 1958	j9.62
Feb. 26	14.49	Dec. 1	13.34	Aug. 28	j14.90	May 28	12.25
Mar. 30	14.25	Jan. 6, 1957	j14.82	Sept. 29	15.31	June 25	j11.37
Apr. 28	14.72	Feb. 3	j15.23	Oct. 24	12.66	July 26	12.11
June 4	14.50	Mar. 9	j14.42	Nov. 28	12.98	Aug. 27	12.65
July 7	13.75	31	j12.68	Jan. 5, 1958	11.79	Sept. 26	12.99
26	14.35	Apr. 28	j13.37	Feb. 2	10.97	Oct. 22	11.92
Aug. 7	14.41	June 1	j14.40	Mar. 2	10.06	Nov. 23	12.89
Sept. 7	14.59	30	j14.39	30	11.31	Dec. 30	j13.36
29	15.01						

j Well 40 ft distant being pumped.

HO-4. U. S. Government. Myrtle Beach Bombing Range. Lat $33^{\circ}39'$, long $78^{\circ}56'$. Drilled unused artesian well in Pee dee formation, diam 8 in, depth 459 ft, gravel-packed. Lsd about 25 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 12.25 below lsd, Apr. 21, 1958; lowest 33.63 below lsd, Sept. 11, 1956. Records available: 1956-58. Affected by distant pumping. For additional measurements, see Siple (1946).

Lowest water level for the day, from recorder graph, 1956													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
5	20.47	18.65	19.70	.....	.....	20.70	26.25	31.20	32.86	32.14	26.92	27.56
10	20.75	18.67	20.02	.....	.....	26.90	28.46	31.33	33.12	31.18	27.01	27.09
15	21.20	18.80	19.77	.....	.....	27.34	29.46	31.65	33.00	30.38	27.30	26.80
20	20.60	.....	19.60	.....	.....	27.42	30.50	32.05	33.41	28.10	27.25	25.80
25	20.79	19.00	.....	.....	.....	27.99	31.00	31.20	32.91	27.01	27.41	26.12
Eom	.....	20.06	.....	.....	.....	26.10	31.32	32.20	32.00	27.15	27.75	26.50
1957													
5	.....	25.03	27.35	27.59	26.18	32.10	32.19	33.09	31.80	26.89	25.00	20.04
10	27.48	25.60	27.20	28.00	27.03	30.97	32.35	33.11	30.38	26.30	22.94	20.35	
15	27.30	27.15	27.44	28.04	28.90	31.41	32.33	33.09	30.33	25.62	22.03	19.95	
20	29.60	27.55	28.13	28.26	29.55	31.78	32.30	32.70	30.08	25.49	21.41	19.09	
25	29.30	27.80	27.70	28.03	30.06	32.22	32.75	32.37	29.73	25.36	21.25	18.20	
Eom	28.65	27.70	27.60	28.13	.....	32.83	32.00	27.73	25.07	20.70	.....	.....
1958													
5	17.95	16.60	16.57	14.22	13.55	15.56	16.27	17.60	17.62	.....	.....	.....
10	17.80	16.75	14.90	13.60	13.77	15.92	16.65	17.79	17.71	.....	.....	.....
15	17.40	16.80	14.71	13.45	13.97	16.39	17.05	18.07	.....	.....	.....	.....
20	17.38	17.30	14.75	12.44	14.49	16.49	17.15	18.12	.....	.....	.....	.....
25	17.07	17.16	14.89	12.66	14.45	15.85	17.31	.....	.....	.....	.....	.....
Eom	16.88	16.53	14.69	13.45	14.89	15.85	17.56	17.60	.....	.....	.....	.....

Orangeburg County

ORB-1. Town of North. Municipal well field. Lat $33^{\circ}37'$, long $81^{\circ}06'$ (previously reported as $81^{\circ}07'$). Drilled unused artesian well in sand of Tertiary age, diam 10 in, depth 125 ft, cased to 125, screened 95-125. Lsd about 280 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 33.90 below lsd, Mar. 30, 1949; lowest 49.20 below lsd, Jan. 28, 1946.

Records available: 1946-58. Affected by pumping. For additional measurements, see Siple (1946).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1, 1956	43.45	Nov. 3, 1956	43.01	Aug. 29, 1957	43.02	May 27, 1958	40.75
26	43.40	30	42.99	Sept. 28	43.10	June 25	40.27
Mar. 29	42.86	Jan. 5, 1957	c44.64	Oct. 23	43.16	July 26	40.15
Apr. 29	42.70	Mar. 8	c44.81	Nov. 27	43.38	Aug. 26	39.50
June 6	42.20	30	c45.05	Jan. 5, 1958	k43.38	Sept. 26	40.30
July 7	42.23	Apr. 27	43.59	Feb. 2	k42.96	Oct. 21	40.49
Aug. 9	42.54	June 1	43.35	Mar. 2	k42.63	Nov. 22	42.01
Sept. 8	42.64	29	k45.09	29	42.38	Dec. 30	c41.09
28	42.84	July 28	k45.80	Apr. 26	41.91		

c Nearby well being pumped.

k Distant well being pumped.

ORB-2. Town of North. Municipal well field. Lat $33^{\circ}37'$, long $81^{\circ}06'$ (previously reported as $81^{\circ}07'$). Drilled unused artesian well in sand of Tertiary age, diam 10 in, depth 125 ft. Lsd about 280 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 33.12 below lsd, Mar. 30, 1949; lowest 43.44 below lsd, July 9, 1955. Records available: 1947-58. Affected by pumping. For additional measurements, see Siple (1946).

Feb. 1, 1956	c44.00	Nov. 3, 1956	d42.24	Aug. 29, 1957	42.18	May 27, 1958	39.75
26	c43.70	30	c42.33	Sept. 28	43.20	June 25	39.35
Mar. 29	c42.34	Jan. 5, 1957	c42.36	Oct. 23	42.26	July 26	39.30
Apr. 29	c41.90	Mar. 8	c42.74	Nov. 27	42.28	Aug. 26	39.29
June 5	c41.20	30	c42.77	Jan. 5, 1958	k43.30	Sept. 26	39.41
July 7	c41.40	Apr. 27	c42.77	Feb. 2	k42.05	Oct. 21	39.57
Aug. 9	c41.86	June 1	42.06	Mar. 2	k41.78	Nov. 22	40.07
Sept. 8	d41.88	29	c42.42	29	41.46	Dec. 30	k40.29
28	c42.08	July 28	k42.54	Apr. 26	39.94		

c Nearby well being pumped.

d Nearby well pumped recently.

k Distant well being pumped.

Richland County

RIC-1. Columbia Products Co. Near Columbia. Lat $34^{\circ}02'$, long $81^{\circ}00'$. Drilled unused water-table well in sands of Late Cretaceous age, diam 6 in, depth 233 ft, cased to 233, screened 98-105. Lsd about 390 ft above msl. MP top of casing extension, 0.60 ft above lsd. Highest water level 75.50 below lsd, Nov. 13, 1949; lowest 84.10 below lsd, May 16, 1952. Records available: 1949-52, 1957-58. Recording gage installed Feb. 20, 1958. Oct. 1, 1957, 84.05; Nov. 11, 84.03; Dec. 4, 83.01; Dec. 13, 83.95.

Lowest water level for the day, from recorder graph, 1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	82.02	80.85	79.71	78.04	.....	76.18	75.97	.....	76.42	.....
10	81.84	80.72	79.63	77.59	76.79	76.03	75.91	76.01	76.57	.....
15	81.62	80.60	79.35	77.43	76.67	76.08	75.95	76.14	76.56	77.25
20	82.28	81.50	80.49	78.88	77.33	76.48	.....	75.97	.....	76.74	77.30
25	82.08	81.43	80.23	78.55	77.19	76.38	75.93	.....	76.18	76.82	77.51
Eom	82.01	81.20	.....	78.33	77.05	76.23	75.95	.....	76.37	77.05	77.58

Sumter County

SU-1. U. S. Geol. Survey. Poinsett State Park. Near Wedgefield. Lat $33^{\circ}53'$, long $80^{\circ}29'$. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 29 ft, cased to 29, perforated 18-29. Lsd about 190 ft above msl. MP top of $\frac{1}{2}$ -in reducer, 1.98 ft above lsd. Highest water level 6.50 below lsd, Aug. 5, 1958; lowest 16.06 below lsd, Mar. 4-7, 1957. Records available: 1942-43, 1946-49, 1951-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	15.42	.....	13.85	13.03	11.73	13.67	14.34	14.61	14.99	15.39	15.48	15.57
10	15.43	.....	13.88	13.11	.....	13.81	14.27	14.76	15.07	15.42	15.49	15.60
15	15.42	.....	13.78	12.72	.....	13.92	14.35	14.83	15.12	15.45	15.50	15.62
20	15.40	.....	13.25	12.72	.....	14.04	14.43	14.86	15.19	15.48	15.51	15.64
25	15.35	14.38	13.18	12.72	.....	14.18	14.49	14.90	15.24	15.49	15.53	15.68
Eom	.....	14.20	13.08	11.56	.....	14.29	14.56	14.96	15.30	15.48	15.56	15.71

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	15.73	15.97	16.06	15.09	14.74	14.98	15.02	15.04	15.02	14.42	14.26	14.02
10	15.78	15.98	15.92	14.97	14.69	14.95	15.04	15.04	15.00	14.34	14.40	13.76
15	15.79	16.00	15.83	14.88	14.66	14.94	15.04	15.08	14.77	14.26	14.41	13.65
20	15.82	16.02	15.75	14.83	14.62	14.92	15.04	15.08	14.67	14.20	14.50	.....
25	15.85	16.03	15.65	14.80	14.55	14.96	14.98	15.10	14.59	14.19	14.50	.....
Eom	15.88	16.05	15.24	14.75	.....	15.03	.....	.....	14.47	14.22	14.22	.....

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.56	12.56	11.82	....	6.97	9.41	....	6.61	8.67	....	....	....
10	13.57	12.56	11.63	....	7.49	9.67	....	6.79	8.93	....	....	....
15	13.48	12.48	11.64	....	7.91	9.90	....	7.18	9.19	....	....	....
20	13.41	12.35	11.56	....	8.38	10.27	....	7.72	9.41	....	....	....
25	13.21	12.33	11.59	....	8.59	8.76	....	8.03	9.56	....	11.08	....
Eom	.....	12.33	11.74	7.48	9.12	....	8.10	8.46	9.82	....	....	....

SU-2. City of Sumter. Municipal well field. Lat $33^{\circ}57'$, long $80^{\circ}22'$. Jetted unused water-table well in sand of Tertiary age, diam 24 in, depth 50 ft, cased to 50. Lsd about 176 ft above msl. MP top of concrete curbing, 1.80 ft above lsd. Highest water level 6.96 below lsd, Apr. 15, 1947; lowest 34.66 below lsd, Dec. 29, 1955. Records available: 1946-58. Affected by pumping of well 40 ft distant.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	34.04	Nov. 2, 1956	34.05	July 27, 1957	33.14	Apr. 27, 1958	28.47
Feb. 25	34.45	Dec. 2	34.33	Aug. 27	32.71	May 28	26.57
Apr. 1	34.31	Jan. 6, 1957	34.36	Sept. 29	32.29	June 26	26.09
28	33.95	Feb. 2	34.48	Oct. 24	32.28	July 27	25.57
June 4	33.90	Mar. 9	33.80	Nov. 28	32.44	Aug. 27	25.26
July 6	34.17	31	33.52	Jan. 4, 1958	31.63	Sept. 27	25.41
Aug. 6	34.26	Apr. 28	33.87	Feb. 1	31.94	Oct. 22	25.73
Sept. 6	34.49	May 31	33.21	Mar. 1	30.85	Nov. 23	25.50
30	34.46	June 30	33.18	30	30.18	Dec. 29	25.69

SU-4. City of Sumter. Municipal well field. Lat $33^{\circ}57'$, long $80^{\circ}22'$. Drilled public-supply artesian well in sand of Late Cretaceous age, diam 18 in, depth 625 ft, cased to 625, screened 415-435, 508-528, 550-570, 605-625. Lsd about 176 ft above msl. MP top of $\frac{3}{4}$ -in elbow on air line, 1.00 ft above lsd. Highest water level 31.88 below lsd, Feb. 1, 1958; lowest 48.78 below lsd, May 29, 1953. Records available: 1947-58. Affected by pumping of wells 400 to 1,000 ft distant. For additional measurements, see Siple (1946).

SU-4--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1956	43.98	Feb. 2, 1957	36.45	Sept. 29, 1957	35.23	May 28, 1958	37.83
June 4	43.80	Mar. 9	37.29	Oct. 24	36.07	June 26	42.53
Aug. 6	45.92	31	37.95	Nov. 28	44.98	July 27	40.57
Sept. 6	43.17	Apr. 28	46.10	Jan. 4, 1958	34.69	Aug. 27	41.49
30	40.55	May 31	39.69	Feb. 1	31.88	Sept. 27	40.91
Nov. 2	43.50	June 30	36.39	Mar. 1	42.32	Oct. 22	37.78
Dec. 2	38.05	July 27	41.92	30	35.19	Nov. 23	42.81
Jan. 1, 1957	38.24	Aug. 27	39.00	Apr. 27	41.88	Dec. 29	37.25

SU-5. City of Sumter. Municipal well field. Lat $33^{\circ}57'$, long $80^{\circ}22'$. Drilled public-supply artesian well in sand of Late Cretaceous age, diam 18 in, depth 714 ft, cased to 714, screened 518-538, 600-620, 690-710. Lsd about 176 ft above msl. MP bottom of cut-away in pump, 1.00 ft above lsd. Highest water level 29.72 below lsd, May 9, 1948; lowest 53.17 below lsd, Apr. 28, 1957. Records available: 1948-52, 1955-58. Affected by pumping.

June 4, 1956	36.80	June 30, 1957	35.00	Feb. 1, 1958	30.96	July 27, 1958	42.56
Nov. 2	32.03	July 27	44.42	Mar. 1	41.51	Aug. 27	43.56
Dec. 2	33.71	Aug. 27	41.32	30	33.98	Sept. 27	40.19
Jan. 6, 1957	40.22	Sept. 27	34.56	Apr. 27	33.68	Oct. 22	38.12
Mar. 31	39.80	Oct. 24	38.58	May 28	40.82	Nov. 23	45.20
Apr. 28	53.17	Nov. 28	48.86	June 26	44.66	Dec. 29	38.46
May 31	43.26	Jan. 4, 1958	35.99				

SU-6. Feulah Methodist Church. Near Sumter. Lat $33^{\circ}57'$, long $80^{\circ}15'$. Drilled domestic artesian well in sand of Late Cretaceous age, diam 2 in, depth 250 ft. Lsd about 125 ft above insl. MP face of $1\frac{1}{4}$ -in elbow, 1.50 ft above lsd. Highest water level 8.4 above lsd, Apr. 5, 1950; lowest 2.4 above lsd, May 30, 1954. Records available: 1948-58.

Jan. 31, 1956	+4.1	Nov. 2, 1956	+3.8	July 27, 1957	+3.2	Apr. 27, 1958	+3.2
Feb. 25	4.4	Dec. 2	4.1	Aug. 27	3.2	May 28	3.2
Apr. 1	4.4	Jan. 6, 1957	3.8	Sept. 29	2.7	June 26	3.8
28	5.0	Feb. 3	3.8	Oct. 24	2.7	July 27	3.2
June 4	4.4	Mar. 9	4.1	Nov. 28	3.8	Aug. 27	3.2
July 6	4.1	31	4.4	Jan. 4, 1958	3.2	Sept. 27	3.2
Aug. 6	4.1	Apr. 28	4.4	Feb. 1	3.8	Oct. 22	3.2
Sept. 6	4.4	May 31	4.4	Mar. 1	4.4	Nov. 23	3.2
30	4.1	June 31	4.1	30	3.2	Dec. 29	3.2

References

- Siple, G. E., 1946, Progress report on ground-water investigations in South Carolina: South Carolina Research, Plan, and Devel. Board Bull. 15.
 ——— 1957a, Geology and ground water in parts of Aiken, Barnwell, and Allendale Counties, South Carolina: U. S. Geol. Survey open-file rept.
 ——— 1957b, Geology and ground water in the Beaufort area, South Carolina: U. S. Geol. Survey open-file rept.
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TENNESSEE

By J. H. Criner, Jr.

The observation-well program in Tennessee was continued in 1956-58 in cooperation with the Memphis Light, Gas and Water Division and the Tennessee Department of Conservation, Division of Geology. Figures 12 and 13 show the location of observation wells.

Well-Numbering System

Each well number is made up of three items, the first and second of which are separated by a colon, and the second and third by a hyphen. The first item represents the county in which the well is situated, the second is the number assigned the owner or well field, and the third is the number of the well itself. The first item necessitated numbering all the counties in the State in alphabetical order, starting with Anderson County as 1, Bedford County as 2, and so on. To provide for the second item, the owners or the well fields were assigned numbers in consecutive order as the wells were recorded by the U. S. Geological Survey. The third item, the number of the well, corresponds to the number assigned the well by the owner. For example, the number 6:182-1 indicates county 6, Bradley County; owner 182, Mr. F. G. Trehwitt; and well 1, as numbered by the owner. The Auction Avenue well field of the Memphis Light, Gas and Water Division, where the water of about 100 wells flowed through tunnels into the so-called wet well, is field 3 in Shelby County, and the shafts that were used to inspect the tunnels and drifts of that field, 25 in all, have been lettered to differentiate them from the wells. (See 79:3-A.)

Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum unless otherwise indicated.

Campbell County

7:1-6. Jellico Waterworks. Lat $36^{\circ}35'$, long $84^{\circ}04'$. Drilled unused well in rocks of Pennsylvanian age, diam 12 in, depth 620 ft. Lsd 1,020 ft above msl. MP top of casing, 2.80 ft above lsd. Highest water level 70.81 below lsd, Feb. 2, 1950; lowest 87.04 below lsd, Aug. 10, 1949. Records available: 1949-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	76.81	73.50	73.68	74.66	74.91	75.53	76.15	76.41	76.83	77.24	77.15	77.43
10	76.87	73.97	74.16		75.06	75.72	76.23	76.51	76.75	77.34	77.11	77.47
15	76.91	74.41	73.26	74.38	75.13	75.84	76.25	76.63	76.80	77.36	77.20	75.43
20	76.98	72.43	74.06	74.29	75.35	75.87	76.03	76.68	77.02	77.50	77.28	74.82
25	77.02	73.60	74.51	74.62	75.57	75.92	76.08	76.69	77.07	77.34	77.18	74.60
Eom	h74.92	74.22	74.75	74.87	75.42	76.06	76.28	76.68	77.24	77.17	77.29	74.97

1957

5	75.04	73.06	74.71	74.70	75.04	75.08	75.36	76.16	76.75	75.90	76.12	74.66
10	75.06	73.58	74.63	73.65	75.15	h75.02	75.60	76.30	76.89	75.96	....	73.29
15	74.96	74.26	74.87	74.41	75.19	75.10	75.70	76.26	76.58	76.06	75.98	74.32
20	....	74.54	74.88	74.74	75.24	75.11	75.66	76.21	....	h76.18	72.49	74.27
25	75.00	74.43	74.94	74.58	75.01	75.10	75.79	76.43	....	75.96	73.56	74.04
Eom	71.91	74.56	....	74.73	75.18	75.20	75.90	76.65	76.12	75.97	74.31	74.43

1958

5	74.84	74.71	75.01	74.77	73.98	75.17	75.60	75.72	h75.54	75.97	76.26	77.08
10	74.88	74.70	74.94	74.87	h76.11	75.23	75.89	75.09	75.72	76.00	76.59	77.28
15	h74.82	74.82	74.90	74.92	74.27	75.18	75.81	75.10	75.85	76.09	76.75	77.53
20	75.04	75.10	74.77	h74.90	74.66	75.29	75.82	75.12	75.92	76.06	76.98	77.57
25	75.01	75.11	74.83	74.86	74.84	75.42	75.75	75.25	75.78	76.16	77.07	77.64
Eom	74.73	h74.89	74.71	74.34	74.99	75.54	74.78	75.46	75.83	76.32	77.14	77.64

h Tape measurement.

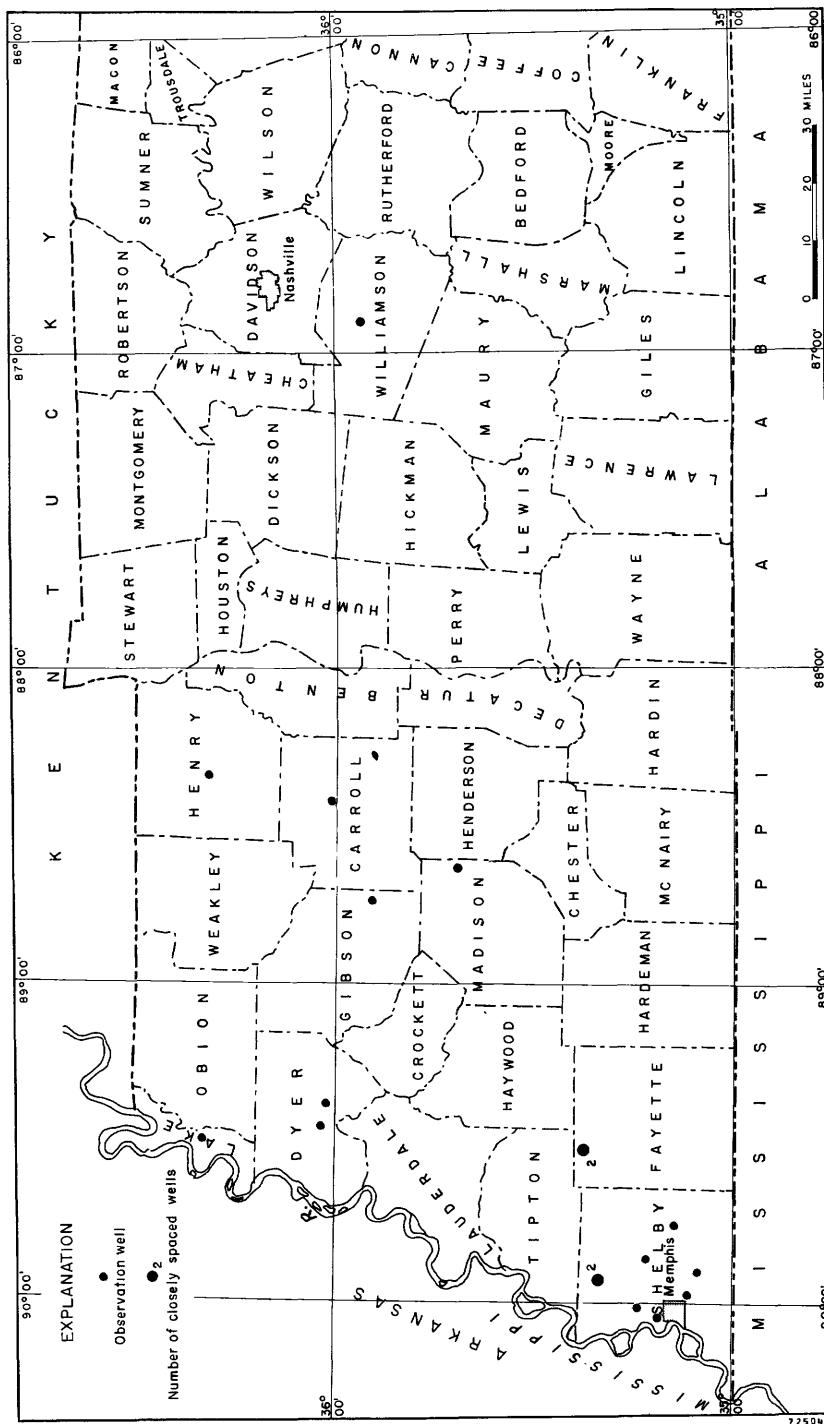


Figure 12.--Location of observation wells in western Tennessee, 1956-58.

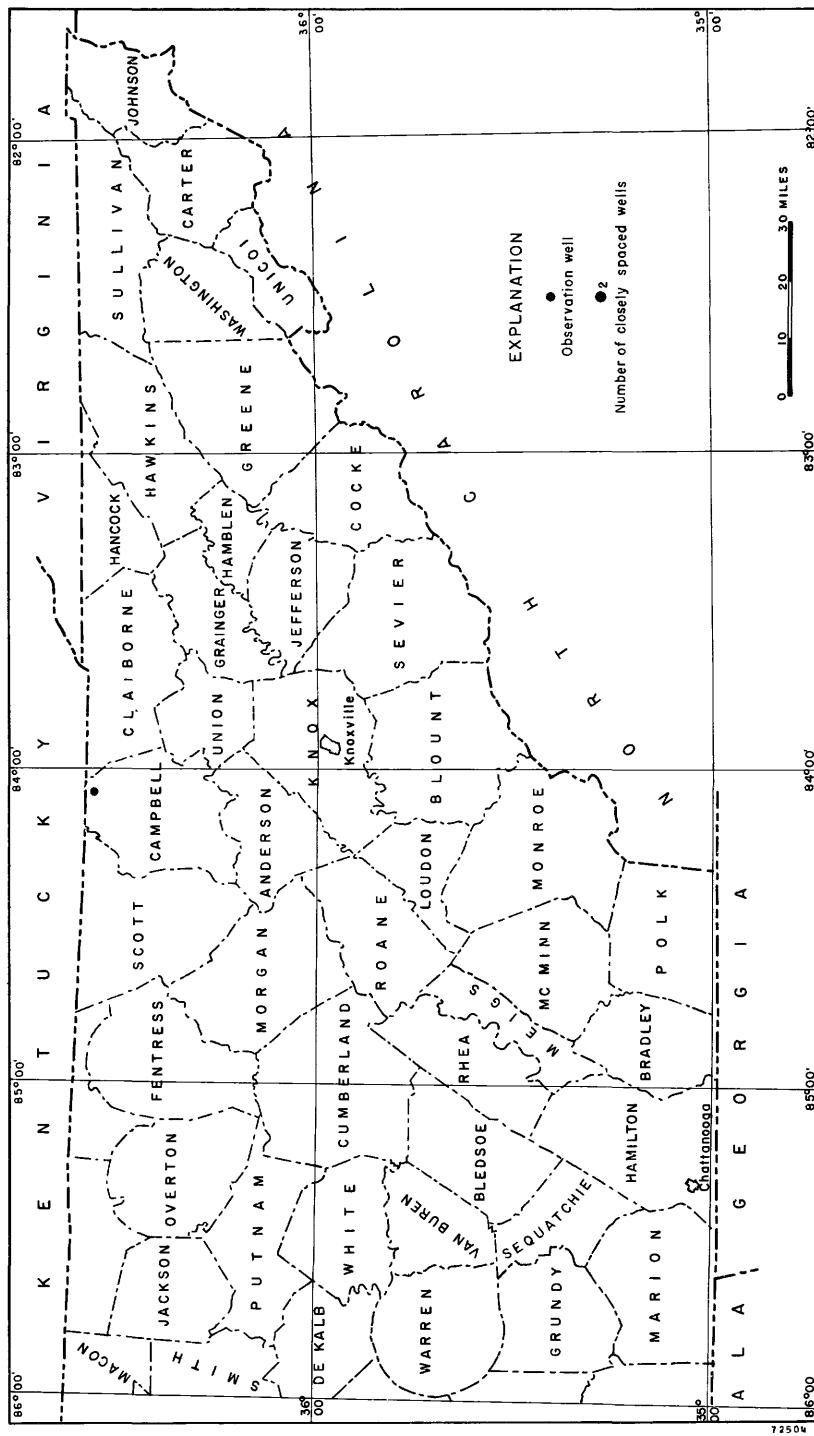


Figure 13.—Location of observation wells in eastern Tennessee, 1956-58.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

Carroll County

9:4-2. City of Huntingdon. Fifth Ave. East. Lat $36^{\circ}00'00''$, long $88^{\circ}26'00''$. Drilled unused artesian well in sand of Ripley formation, diam 8 in, depth 269 ft, cased to 229, screened 229-269. Lsd 400 ft above msl. MP top of $\frac{1}{2}$ -in pipe in concrete cap, at lsd. Highest water level 0.84 below lsd, Apr. 24, 1952; lowest 7.61 below lsd, Sept. 8, 1958. Records available: 1948-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	3.98	Nov. 28, 1956	3.85	Oct. 4, 1957	3.59	Aug. 19, 1958	3.74
Feb. 3	3.66	Dec. 27	3.58	Nov. 7	3.37	25	3.86
Mar. 2	3.12	Jan. 25, 1957	3.83	Dec. 7	3.85	Sept. 2	3.51
Apr. 4	3.72	Feb. 8	3.34	Jan. 4, 1958	3.23	8	7.61
May 2	2.86	Mar. 8	3.37	Feb. 5	2.93	24	2.89
June 1	3.37	Apr. 4	3.59	Apr. 9	2.85	Oct. 8	3.04
July 2	3.63	May 7	3.52	May 7	3.23	22	3.78
Aug. 2	4.46	June 5	3.18	June 7	3.87	Nov. 19	2.89
Sept. 3	4.78	July 5	4.20	July 11	3.19	Dec. 3	4.03
27	3.98	Aug. 1	5.49	Aug. 7	4.48	22	4.64
Oct. 31	3.83	Sept. 4	3.87				

Dyer County

23:1-3. City of Dyersburg. Lat $36^{\circ}01'47''$, long $89^{\circ}23'07''$. Drilled unused artesian well in sand of Claiborne group, diam 24 to 10 in, depth 656 ft, cased to 605, screened 605-655. Lsd 270.07 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 1.07 above lsd, Feb. 2, 1956; lowest 17.1 below lsd, Aug. 10, 1956. Records available: 1954-58.

Lowest water level for the day, above and below lsd, from recorder graph, 1954												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	....	-1.13	-1.37	-3.66	-3.87	-14.28	-15.99	-14.95	h-8.04	-5.39	-5.36
10	....	....	1.13	1.70	3.89	4.53	....	15.33	15.15	8.27	5.43	6.40
15	....	-2.62	1.51	1.27	3.98	9.72	....	14.30	15.13	8.65	5.93	5.83
20	....	2.68	1.39	2.95	3.67	12.76	....	14.49	15.99	9.27	5.35	5.93
25	....	2.56	.98	3.08	4.12	11.96	....	14.79	16.20	9.48	4.88	4.85
Eom	....	3.15	.82	2.95	5.33	14.32	15.58	15.04	15.65	4.86	5.91	3.88
1955												
5	-4.69	-1.95	-2.97	-1.52	-5.95	-2.70	-5.64	-6.11	-3.73	-5.59	-3.12	-3.22
10	3.85	2.64	3.94	.74	5.96	2.54	5.49	5.79	4.30	4.99	2.89	2.97
15	4.31	2.50	3.19	1.12	4.08	2.79	5.05	5.59	4.17	4.99	3.19	2.92
20	4.00	2.18	.36	1.86	5.51	2.96	5.01	5.60	4.06	5.07	4.10	3.05
25	4.79	3.97	3.10	....	5.85	2.86	5.08	6.14	4.42	5.14	3.14	14.94
Eom	4.88	3.31	1.20	....	4.95	3.19	5.03	6.20	3.53	4.66	3.26	3.40
1956												
5	-2.9	+.1	-1.9	-3.8	-1.7	-5.6	-15.5	-16.2	-16.5	-16.8	-16.6	-8.4
10	2.8	-1.1	2.4	4.1	2.0	6.0	15.4	17.1	16.2	16.0	16.0	5.8
15	2.9	1.3	1.5	3.1	10.8	10.4	15.4	16.8	16.8	16.7	16.2	5.5
20	2.4	.2	1.3	3.2	3.5	14.3	15.4	15.9	16.7	16.9	14.6	5.0
25	2.7	1.2	1.7	3.8	3.1	15.4	15.7	16.3	16.8	16.6	14.4	4.9
Eom	1.7	1.4	4.8	4.7	3.3	15.4	16.2	16.3	16.8	16.1	14.3	4.4
1957												
5	-4.3	-1.7	-3.3	-3.4	-4.7	-4.0	-8.9	-12.0	-5.6	-3.7	-2.1	-.2
10	4.6	2.0	3.5	2.6	5.4	3.6	9.5	12.2	4.6	3.6	1.3	.2
15	4.1	2.4	4.0	2.7	6.8	3.5	10.8	11.8	4.3	3.4	.2	.1
20	4.1	2.1	3.6	3.8	2.6	9.1	11.5	11.7	4.3	2.8	+.4	.2
25	3.7	1.6	3.6	3.7	1.6	9.4	11.7	11.8	4.0	2.4	-.1	.1
Eom	2.4	1.7	3.6	5.1	2.3	9.8	11.8	12.2	3.6	2.3	.1	.2
1958												
5	-.2	-.2	-.1	-.1	-.1	-.3	-.9	-.3	-1.9	-1.0	-1.0	-.3
10	.2	.1	.1	.1	.1	.6	.9	.5	2.1	1.0	1.1	1.0
15	.2	.1	.1	.1	.1	.7	.3	1.9	1.9	.6	1.1	.2
20	.2	.1	.1	.1	.1	.8	.2	1.9	2.0	.9	.6	.3
25	.2	.1	.1	.1	.2	.7	.2	1.8	1.7	.9	.4	...
Eom	.1	.1	.1	.1	.9	.6	.3	1.9	1.8	1.1	.3	...

h Tape measurement.

23:4-1. U. S. Geol. Survey. Lat 36°02'00", long 89°28'01". Drilled observation artesian well in sand and gravel of Pleistocene age, diam 4 in, depth 70 ft, cased to 60, screened 60-70. Lsd 278 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 4.21 below lsd, May 10, 1958; lowest 18.93 below lsd, Jan. 18-21, 1957. Records available: 1955-58.

Lowest water level for the day, from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.13	.....	13.78	13.61	16.24	17.17	17.51	17.45
10	14.35	13.71	12.73	13.77	14.01	16.72	17.27	17.59	17.45
15	12.61	13.73	12.82	13.92	14.45	16.70	17.25	17.63	17.53
20	h12.58	13.79	13.04	14.15	14.71	16.96	17.39	17.67	17.64
25	12.61	13.24	13.25	12.96	15.13	17.12	17.45	17.53	17.72
Eom	12.91	13.13	13.56	13.22	15.60	17.40	17.50	17.66	17.79

1956

5	17.85	14.58	9.18	10.40	9.77	12.15	13.98	16.32	17.28	17.97	18.55	18.72
10	17.90	13.64	9.69	10.27	10.09	12.64	14.92	16.58	17.41	18.09	18.77	18.77
15	17.93	12.82	9.64	9.39	10.52	13.02	14.90	16.98	17.56	18.21	.....	18.80
20	18.00	....	9.19	9.62	10.77	13.17	14.88	17.09	17.71	18.33	18.65	18.81
25	18.06	8.78	9.52	10.02	11.30	13.48	.....	17.11	17.78	18.42	18.62	18.78
Eom	16.57	8.83	9.96	10.47	11.77	13.70	.....	17.20	17.87	18.49	18.69	18.83

1957

5	18.87	....	12.44	11.43	11.03	....	7.39	10.80	11.88	13.25	h12.90	h7.57
10	18.91	15.74	12.58	10.68	11.36	6.83	8.37	11.24	12.29	.....	11.63	.....
15	18.90	15.26	12.67	10.69	11.34	6.85	9.24	10.72	12.48	.....	8.85	.....
20	18.93	14.39	12.65	10.67	10.75	7.81	.....	10.35	12.77	.....	.....	.....
25	18.55	13.53	12.57	10.19	.....	8.56	.....	10.78	12.81	13.16	.....	.....
Eom	17.70	12.76	12.71	10.40	.....	9.07	.....	11.54	12.97	12.94	.....	.....

1958

5	h6.52	h6.27	6.67	5.55	5.54	....	11.65	.....	h14.05	.....	.....	.....
10	....	6.26	6.70	h5.85	4.84	h8.95	h11.48	h12.28	14.33	h14.90	h15.60	h13.59
15	....	6.67	6.14	6.35	5.30	9.87	11.49	12.87	14.58	.....	.....	13.82
20	....	....	6.15	5.92	6.26	10.39	11.51	13.13	14.61	.....	.....	13.98
25	h6.56	....	6.14	6.11	7.12	10.92	11.53	.....	14.36	.....	.....	14.08
Eom	5.92	6.97	5.26	5.76	....	11.23	.....	.....	14.68	.....	.....	14.12

h Tape measurement.

Fayette County

24:10-1. Tennessee Division of Geology and U. S. Geol. Survey. Near Braden. Lat 35°22'26", long 89°32'52". Drilled observation artesian well in sand of Wilcox group, diam 4 to 4 in, depth 1,025 ft, cased to 1,008, screened 1,008-1,025. Lsd 317.50 ft above msl. MP top of casing, 3.70 ft above lsd. Highest water level 64.89 below lsd, Aug. 31, 1949; lowest 72.28 below lsd, Dec. 9, 1956. Records available: 1949-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	70.95	70.73	70.66	70.61	70.62	70.85	70.95	71.31	71.59	71.97	72.12	72.15
10	71.00	70.77	70.72	70.54	70.69	70.87	70.98	71.38	71.79	72.11	72.15	72.23
15	70.90	70.67	70.70	70.42	70.61	70.85	71.03	71.44	71.73	72.11	72.14	72.09
20	70.94	70.78	70.78	70.73	70.73	70.85	71.10	71.47	71.85	72.08	72.10	72.05
25	71.03	70.70	70.78	70.72	70.79	70.84	71.14	71.52	71.88	72.12	72.06	72.10
Eom	71.00	70.81	70.66	70.70	70.74	70.79	71.24	71.49	71.96	72.19	72.11	72.05

1957

5	72.06	71.75	....	71.23	....	70.94	70.94	71.03	h71.04	....	....	h70.67
10	72.19	71.77	....	71.26	71.20	70.94	71.06	71.02	71.06	....	....	70.66
15	72.09	71.73	....	71.36	71.15	70.96	71.00	70.93	70.91	....	....	70.68
20	72.11	71.65	....	71.27	71.00	70.93	70.99	70.98	70.95	....	....	70.57
25	71.95	71.34	....	71.22	71.02	70.96	71.03	70.98	70.88	70.89	....	70.61
Eom	71.67	....	....	71.17	71.03	70.94	70.92	71.07	70.89	70.83	....	70.63

1958

5	70.78	70.54	h70.43	....	....	....	....	....	....	....	70.26	70.28
10	70.67	70.56	70.39	....	....	....	h70.24	....	....	....	70.33	70.35
15	70.56	....	70.41	....	....	....	....	h70.40	h70.28	....	....	70.33
20	70.58	....	70.41	h70.24	....	....	....	....	....	70.19	70.21	70.35
25	....	....	70.39	70.28	h70.15	....	....	....	....	70.23	70.21	70.34
Eom	70.45	....	70.37	70.27	....	....	....	....	....	70.33	70.36	70.30

h Tape measurement.

24:10-2. Tennessee Division of Geology and U. S. Geol. Survey. Near Braden. Lat 35° 22' 28", long 89° 32' 52". Drilled observation artesian well in sand of Claiborne group, diam 6 to 4 in, depth 365 ft, cased to 345, screened 345-365. Lsd 317.20 ft above msl. MP top of casing, 4.20 ft above lsd. Highest water level 37.25 below lsd, Mar. 10, 1952; lowest 41.39 below lsd, Jan. 1, 10-11, 18-19, 1957. Records available: 1949-58.

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	40.83	40.62	40.43	40.36	40.27	40.37	40.40	40.67	40.92	41.11	41.20	41.24
10	40.86	40.50	40.54	40.23	40.33	40.39	40.43	40.72	41.00	41.17	41.25	41.21
15	40.80	40.46	40.45	40.12	40.26	40.37	40.46	40.75	40.96	41.16	41.15	41.21
20	40.82	40.51	40.49	40.43	40.33	40.38	40.51	40.76	41.05	41.15	41.17	41.18
25	40.89	40.44	40.44	40.40	40.34	40.37	40.52	40.82	41.04	41.17	41.14	41.28
Eom	40.74	40.49	40.38	40.33	40.30	40.33	40.59	40.81	41.10	41.14	41.23	41.31

1957

Lowest water level for the day, from recorder graph, 1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	41.26	40.91	40.76	40.34	40.69	40.49	40.58	40.72	40.83	40.84	40.88	40.57
10	41.39	40.91	40.34	40.81	40.36	40.49	40.68	40.71	40.88	40.85	40.98	40.53
15	41.29	40.96	40.90	40.82	40.66	40.55	40.63	40.67	40.78	40.78	40.66	40.48
20	41.33	40.93	40.78	40.69	40.59	40.53	40.62	40.76	40.82	40.83	40.77	40.26
25	41.19	40.66	40.64	40.62	40.66	40.55	40.68	40.77	40.80	.....	40.54	40.44
Eom	40.90	40.80	40.82	40.65	40.58	40.55	40.61	40.83	40.81	.....	40.61	40.37

1958

Lowest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	40.54	.....	40.20	39.98	.....	39.85	.....	40.13	40.34	.....	.....	.....
10	40.39	.....	40.16	.....	.....	39.81	h39.35	.....	40.36	.....	.....	h40.39
15	40.29	.....	40.13	.....	.....	39.84	40.01	h40.20	40.32	.....	40.47	40.56
20	40.36	.....	40.11	h39.90	.....	39.85	40.02	40.23	40.33	h40.34	40.41	40.51
25	40.17	.....	40.09	39.93	h39.70	.....	40.01	40.24	.....	40.38	.....	40.50
Eom	40.20	.....	39.95	39.92	39.81	.....	40.09	40.29	.....	40.43	.....	40.47

h Tape measurement.

Gibson County

27:8-2. City of Milan. Lat 35° 55' 15", long 88° 45' 31". Drilled unused artesian well in Wilcox (?) group, diam 18 to 10 in, depth 150 ft, cased 0-90, 120-150, screened 90-120. Lsd 410 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 40.4 below lsd, Apr. 7, 1954; lowest 49.2 below lsd, May 27-28, 30-31, June 5, 1957. Records available: 1954-58.

Lowest water level for the day, from recorder graph, 1954												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	43.3	45.4	44.5	45.8	46.4	44.1	46.3	46.4	46.3
10	42.9	45.4	43.6	44.0	44.9	46.2	46.2	44.0	45.9
15	42.9	45.5	45.9	46.8	43.8	46.2	46.4	46.3	45.9
20	43.1	45.5	43.4	46.7	46.1	46.3	43.9	46.5	46.6
25	43.1	45.1	46.1	45.0	46.9	46.2	46.3	44.0	46.7
Eom	45.6	45.8	46.6	46.9	43.8	46.3	46.4	46.4	46.2

1955

Lowest water level for the day, from recorder graph, 1955												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	46.3	46.3	46.6	46.5	46.4	44.2	47.3	.....	47.3	47.0	45.3	46.3
10	46.7	44.0	44.7	46.3	46.6	46.4	46.8	.....	47.4	47.1	.....	44.8
15	45.9	46.4	46.5	46.5	46.5	47.3	46.8	.....	47.3	45.2	.....	47.1
20	46.4	45.4	45.8	46.4	46.4	45.5	47.2	.....	44.7	47.2	45.4	46.8
25	45.7	45.2	46.0	45.9	46.6	45.7	46.8	.....	46.8	47.2	46.5	44.7
Eom	44.0	46.0	44.1	46.2	47.2	47.1	44.6	.....	46.2	46.4	.....	44.7

1956

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	44.88	44.59	46.23	46.81	46.92	47.23	47.55	45.16	47.78	47.86	48.03	48.32
10	44.66	46.47	44.70	46.40	46.91	45.72	48.03	48.09	47.95	47.82	45.54	48.24
15	47.14	47.02	46.79	46.67	46.68	47.08	47.37	48.30	48.25	.....	48.17	47.94
20	45.68	46.20	46.68	46.88	46.95	47.06	48.03	47.58	47.85	.....	47.68	47.70
25	47.06	47.09	47.07	46.86	47.04	47.39	47.58	47.30	47.99	.....	47.83	47.74
Eom	47.36	47.30	47.10	46.70	48.02	46.28	48.10	48.23	45.36	h47.26	47.69	48.08

1957

Lowest water level for the day, from recorder graph, 1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	45.1	48.0	48.1	47.5	47.8	49.2	48.0	....	48.3	48.2	48.1	45.6
10	47.4	48.1	45.4	47.9	48.1	47.9	48.2	48.4	....	48.2	48.0	47.0
15	47.5	48.1	48.3	48.2	48.1	48.3	48.1	48.2	....	48.1	48.1	47.5
20	47.8	48.6	48.0	48.0	48.0	48.0	48.3	48.5	....	48.1	47.8	45.6
25	h46.72	47.8	47.6	47.8	49.1	48.0	48.1	48.0	....	48.1	47.7	47.2
Eom	48.4	48.4	47.6	48.0	49.2	47.8	....	48.6	....	48.2	47.7	46.4

1958

Lowest water level for the day, from recorder graph, 1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	47.4	47.7	47.4	47.0	46.7	47.2	46.0	47.8	47.0	47.1	47.0	47.0
10	47.4	47.2	47.3	46.5	47.6	46.9	47.7	46.2	47.2	47.1	47.6	47.6
15	47.4	47.4	47.8	47.2	46.7	47.0	48.1	47.8	45.0	47.0	47.1	47.4
20	47.2	47.4	47.2	47.0	47.0	47.1	48.8	47.7	47.4	46.9	47.2	47.7
25	47.1	47.4	47.2	47.2	47.4	47.2	48.0	47.7	47.1	47.1	47.2	47.3
Eom	47.4	47.2	47.0	46.9	47.4	46.0	48.9	47.0	47.0	47.0	47.6	47.2

h Tape measurement.

Henry County

40:1-5. Paris Board of Public Utilities. Fentress and West Blythe Sts. Lat $36^{\circ}18'$, long $88^{\circ}20'$. Drilled unused artesian well in sand of Ripley formation, diam 8 in, depth 425 ft (previously reported 25 ft), cased to 375, screened 375-425. Lsd 510 ft above msl. MP top of casing, at lsd. Highest water level 94.13 below lsd, May 2, 1956; lowest 130.32 below lsd, Nov. 27, 1953. Records available: 1945, 1947-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	109.61	Nov. 28, 1956	110.91	Sept. 4, 1957	110.32	Aug. 20, 1958	108.97
Feb. 3	107.83	Dec. 27	111.02	Oct. 2	109.00	26	108.86
Mar. 2	102.14	Jan. 25, 1957	111.33	Nov. 6	108.90	Sept. 3	109.76
Apr. 4	96.96	Feb. 8	110.96	Dec. 9	109.43	16	117.63
May 2	94.13	Mar. 8	111.13	Jan. 7, 1958	110.17	30	111.43
June 1	101.82	Apr. 4	111.22	Feb. 4	110.13	Oct. 14	111.39
July 2	105.36	May 7	109.82	May 9	109.43	29	111.20
Aug. 2	110.97	June 5	111.10	June 6	110.31	Nov. 11	111.16
Sept. 3	110.20	July 5	110.70	July 11	110.78	Dec. 9	110.94
27	110.71	Aug. 1	110.53	Aug. 7	115.05	30	110.68
Oct. 31	111.40						

Lake County

48:1-1. U.S. Geol. Survey. Lat $36^{\circ}20'40''$, long $89^{\circ}28'15''$. Drilled observation water-table well in sand and gravel of Quaternary age, diam 4 in, depth 52 ft, cased to 47, screened 47-52. Lsd 291 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 5.33 below lsd, May 11, 1958; lowest 16.48 below lsd, Jan. 19, 1957. Records available: 1956-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	11.45	10.96	11.25	.....	.....	.....	14.87	15.58	16.07
10	10.99	.....	.....	.....	.....	15.02	15.66	16.15
15	10.82	.....	.....	.....	.....	15.14	15.78	16.23
20	10.78	.....	.....	.....	.....	15.27	15.82	16.25
25	10.87	.....	.....	.....	.....	15.37	15.90	.....
Eom	11.06	.....	.....	.....	.....	15.50	15.99	16.30

1957

5	16.34	14.37	.....	11.26	10.37	7.94	7.47	9.45	10.25	11.41	11.81	8.79
10	16.40	.....	12.05	10.70	10.37	8.18	7.92	.....	10.49	11.60	10.89	7.93
15	16.45	.....	12.07	10.59	9.31	7.91	8.27	.....	10.66	11.70	9.51	8.12
20	16.47	.....	12.03	10.35	9.21	8.17	8.61	.....	10.90	11.88	8.39	7.07
25	15.81	.....	12.00	10.15	7.93	8.39	8.91	.....	11.04	11.63	8.55	7.24
Eom	14.98	12.16	12.05	10.19	7.95	8.41	9.13	.....	11.21	11.77	8.69	7.17

1958

5	7.41	h7.50	7.96	....	6.76	....	9.07	8.84	10.48	....	....	12.41
10	7.63	7.67	h7.89	h6.81	h5.60	h7.59	h8.18	9.01	11.73	h11.77	12.65	12.44
15	7.72	7.92	....	7.14	5.59	8.10	8.49	9.30	11.02	....	12.73	12.57
20	7.89	8.26	....	6.97	5.94	8.37	8.81	9.59	11.16	....	12.63	12.68
25	....	8.30	....	6.92	6.43	8.65	8.83	9.89	11.32	....	12.34	12.70
Eom	....	8.26	....	6.90	6.97	8.83	8.69	10.22	....	....	12.42	12.77

h Tape measurement.

Madison County

57:36-1. Tennessee Division of Geology and U.S. Geol. Survey. Near Claybrook. Lat $35^{\circ}42'26''$, long $88^{\circ}37'47''$. Drilled observation artesian well in sand of Ripley formation, diam 6 to 4 in, depth 659 ft, cased to 639, screened 639-659. Lsd 562.70 ft above msl. MP top of casing, 2.80 ft above lsd. Highest water level 124.50 below lsd, Mar. 10, 1952; lowest 128.86 below lsd, Nov. 9, 1956. Records available: 1949-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	128.01	127.68	127.63	127.66	127.57	127.78	.....	128.34	.....	128.73	128.79	128.71
10	128.05	127.72	127.66	127.57	127.66	127.85	.....	128.38	.....	128.80	128.81	128.75
15	128.00	127.66	127.63	127.43	127.68	127.85	.....	128.43	.....	128.79	128.74	128.57
20	128.03	127.67	127.69	127.66	127.72	127.86	.....	128.45	.....	128.77	128.71	128.57
25	128.11	127.62	127.72	127.67	127.74	.....	.....	128.46	.....	128.78	128.62	128.52
Eom	127.94	127.70	127.67	127.66	127.73	.....	.....	.....	.....	128.68	128.67	128.48

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

57:36-1--Continued.

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	128.48	123.15	127.97	127.82	.....	127.87	127.98	128.23	128.45	128.34	.....	127.97
10	128.59	128.11	128.01	127.94	128.02	127.93	128.11	.....	.....	.....	.....	127.88
15	128.51	128.13	128.05	127.98	128.02	128.04	128.09	.....	.....	.....	.....	127.94
20	128.58	128.06	127.99	127.98	127.96	128.03	.....	.....	.....	.....	.....	127.81
25	128.36	127.98	127.91	127.96	127.96	128.05	.....	.....	.....	.....	.....	127.84
Eom	128.13	127.98	128.02	.....	127.98	128.02	.....	.....	.....	.....	.....	127.84

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	127.96	127.78	127.71	127.52	127.37	127.54	127.66	127.68	.....	.....	.....	127.82
10	127.91	127.74	127.69	127.44	127.34	127.52	.....	127.73	127.94	.....	.....	127.86
15	127.82	127.69	127.66	127.52	127.38	127.53	127.54	.....	127.70	127.90	.....	127.88
20	127.83	127.76	127.64	127.47	127.39	127.57	127.56	.....	.....	.....	.....	127.85
25	127.73	127.76	127.62	127.47	127.39	127.58	127.53	.....	127.73	127.94	.....	127.85
Eom	127.71	127.64	127.50	127.41	127.47	127.66	127.61	.....	127.77	127.94	.....	127.83

h Tape measurement.

Shelby County

79:1-1. Memphis Light, Gas and Water Division. Lat $35^{\circ}14'35''$, long $90^{\circ}00'52''$. Drilled observation artesian well in sand of Claiborne group, diam 6 in, depth 434 ft, cased to 424, screened 424-434. Lsd 228.70 ft above msl. MP top of casing, 4.30 ft above lsd. Highest water level 12.65 below lsd, Sept. 3, 1940; lowest 43.40 below lsd, Oct. 7, 1956. Records available: 1940-58.

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	40.66	40.62	36.83	36.31	37.31	39.19	40.57	41.48	42.86	43.29	43.10	42.77
10	40.92	39.44	36.96	36.60	37.78	39.50	40.44	41.79	42.95	43.26	43.07	43.05
15	41.16	38.61	36.84	36.60	37.85	39.65	.....	41.96	42.93	43.29	43.08	43.16
20	.....	37.99	36.75	36.08	38.38	39.67	40.93	42.33	43.17	43.38	43.10	.....
25	41.49	37.48	36.39	36.02	38.75	40.22	41.32	42.54	43.25	43.24	.....	42.48
Eom	41.40	37.20	36.27	36.54	39.14	.....	41.65	42.72	43.24	43.03	42.77	h41.53

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	40.59	38.35	.....	36.78	35.63	37.58	39.22	40.38	40.84	39.80	36.83
10	.....	39.40	33.47	37.78	37.23	36.38	37.23	39.50	40.71	40.95	.....	37.37
15	41.98	38.65	38.84	36.61	37.45	37.11	37.84	39.77	40.82	40.94	39.18	.....
20	42.21	38.01	38.71	35.97	37.82	37.50	38.74	40.23	40.67	41.07	38.48	37.06
25	41.68	37.98	h38.71	35.73	37.53	37.70	39.14	40.58	40.74	40.07	37.62	36.95
Eom	.....	38.22	.....	36.21	35.05	37.53	38.90	40.88	40.89	39.78	37.06	35.27

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	35.23	35.97	h37.30	35.20	35.06	35.85	38.24	36.76	.....	.....	39.37	39.55
10	35.13	36.14	h36.34	35.15	34.60	h36.59	38.46	36.74	.....	.....	39.72	39.04
15	35.98	36.08	36.27	34.69	33.86	37.59	38.49	36.40	.....	.....	39.81	38.97
20	36.53	h36.12	36.09	34.65	33.77	37.59	38.11	36.73	.....	.....	39.81	39.09
25	36.42	h36.75	36.10	34.99	.....	37.62	38.03	37.77	.....	39.45	39.73	39.22
Eom	36.38	36.96	35.54	35.18	h34.39	38.03	36.98	38.33	.....	39.16	39.65	39.12

h Tape measurement.

79:1-2. Memphis Light, Gas and Water Division. Lat $35^{\circ}13'25''$, long $89^{\circ}53'57''$. Drilled observation artesian well in sand of Claiborne group, diam 6 in, depth 344 ft, cased to 334, screened 334-344. Lsd 299.80 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 63.33 below lsd, Sept. 27, 1940; lowest 91.99 below lsd, Nov. 29-30, 1958. Records available: 1940-58.

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	87.30	.....	86.45	85.71	85.87	86.96	87.41	88.51	89.19	89.46	89.47	88.96
10	87.34	87.30	86.34	85.68	86.12	86.99	87.26	88.75	89.28	89.58	89.42	89.04
15	.....	87.15	86.21	85.69	86.24	87.07	87.22	88.86	89.27	89.51	89.28	88.97
20	87.41	86.75	86.18	86.07	86.49	87.15	87.32	88.97	89.37	89.51	89.24	89.05
25	87.55	86.75	86.04	86.08	86.62	87.18	87.75	89.13	89.44	89.54	89.06	89.24
Eom	.....	86.78	.....	85.87	86.77	87.20	88.29	89.09	89.52	89.39	89.00	88.73

TENNESSEE, SHELBY COUNTY

179

79:1-2--Continued.

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	88.56	88.34	87.27	86.79	86.20	85.83	86.13	87.24	87.67	87.77	87.28	.....
10	88.59	88.29	87.17	86.93	86.21	85.78	86.08	87.35	87.66	87.79	87.37	86.45
15	88.57	88.18	87.32	87.02	86.08	85.90	86.40	87.21	87.54	87.76	86.96	86.80
20	.....	87.73	87.27	86.54	86.11	86.16	86.93	87.31	87.57	87.84	86.67	86.50
25	88.41	87.42	87.10	86.34	86.24	86.37	87.22	87.46	87.43	87.38	86.87	86.48
Eom	88.26	87.33	87.28	86.24	86.14	86.22	87.14	87.62	87.66	87.23	.....	85.94

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	85.94	85.56	86.15	85.08	86.55	87.79	90.00	89.99	90.68	.....	.....	.....
10	85.76	85.59	86.04	85.00	86.67	88.30	89.80	.....	90.75	91.43	.....	91.76
15	85.60	85.51	85.74	84.80	86.81	.....	89.63	89.97	90.85	91.45	91.76	.....
20	85.58	85.57	85.70	85.30	87.00	88.83	89.44	89.74	.....	91.51	91.76	.....
25	85.46	85.62	85.59	86.13	.....	89.10	89.47	89.82	90.87	91.49	91.90	91.57
Eom	85.57	85.72	85.08	86.46	87.04	89.85	.....	90.67	91.04	91.47	91.99	.....

h Tape measurement.

79:1-3. Memphis Light, Gas and Water Division. Lat 35°08'59", long 89°47'59". Drilled observation artesian well in sand of Claiborne group, diam 6 in, depth 384 ft, cased to 375, screened 375-384. Lsd 330.40 ft above msl. MP top of casing, 2.40 ft above lsd. Highest water level 74.08 below lsd, Dec. 27, 1940; lowest 84.65 below lsd, Dec. 16, 20, 1958. Records available: 1940-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	82.36	82.02	81.63	81.61	81.56	81.88	82.21	82.62	82.88	83.07	83.28	83.30
10	82.39	81.86	81.77	81.60	81.61	81.96	82.26	.....	82.94	83.15	83.34	83.35
15	82.31	81.79	81.65	81.38	81.61	82.01	82.36	82.76	82.91	83.17	83.23	83.22
20	82.33	81.74	81.67	81.61	81.67	82.04	82.41	82.82	82.95	83.16	83.26	83.32
25	82.39	81.43	.....	81.61	81.73	82.09	82.38	82.83	83.02	83.21	83.18	83.28
Eom	82.46	81.70	81.63	81.61	81.77	82.11	82.56	82.79	83.09	83.12	83.27	83.26

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	83.20	82.60	82.40	82.21	82.14	82.00	82.11	82.51	82.76	82.79	82.90	.....
10	83.32	82.45	82.48	82.25	82.15	81.88	82.19	82.60	82.83	82.87	.....	82.13
15	83.28	82.56	82.42	82.25	82.14	81.86	82.27	82.56	82.80	82.89	82.55	82.12
20	83.40	82.51	82.31	.....	82.11	81.96	.....	82.63	82.81	82.99	82.40	81.74
25	83.19	82.46	82.22	82.16	82.18	82.04	82.42	82.67	82.77	82.84	82.29	82.05
Eom	82.89	82.31	82.47	82.12	82.10	82.01	82.44	82.79	82.79	82.90	.....	81.88

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	82.08	81.89	.....	81.65	81.90	82.37	83.23	83.59	84.04	84.13	84.40	84.58
10	82.08	81.96	82.05	81.75	81.77	82.70	83.32	83.68	84.13	84.19	84.45	84.60
15	81.90	81.95	81.91	81.75	81.78	82.85	83.32	83.67	84.17	84.30	84.52	84.64
20	81.96	81.93	81.68	81.69	81.85	82.98	83.38	83.71	.....	.....	84.49	84.65
25	81.75	h81.81	.....	81.98	81.99	83.07	83.39	83.75	84.13	.....	84.52	84.62
Eom	81.82	.....	81.66	81.97	82.03	83.16	h83.43	83.91	84.11	84.45	84.57	84.62

h Tape measurement.

79:3-A. Memphis Light, Gas and Water Division. Fifth St. and Sycamore Ave. Lat 35°09'24", long 90°02'33". Unused work shaft connected to artesian wells in sands of Claiborne group, diam 30 in, depth 98 ft. Lsd 229.70 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 19.09 below lsd, Apr. 1, 1933; lowest 73.4 below lsd, July 30-Aug. 1, 1954. Records available: 1927-33, 1936-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	64.6	64.9	61.1	61.0	62.8	67.2	70.9	71.9	71.8	71.2	68.0	67.0
10	65.3	63.1	60.7	60.7	64.2	69.6	71.0	72.0	71.8	70.7	67.2	68.5
15	66.5	62.6	60.1	60.3	64.6	70.0	71.7	72.0	71.8	70.2	67.3	68.3
20	65.8	62.5	60.4	61.1	66.7	70.3	72.0	72.6	71.7	70.3	67.6	68.1
25	65.8	61.7	60.0	60.6	68.2	70.9	71.8	72.2	71.6	69.8	67.0	67.6
Eom	66.13	61.1	.....	61.9	68.3	71.1	71.6	72.2	71.4	68.5	67.0	65.8

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	65.9	64.0	60.7	61.5	63.2	62.0	65.8	68.3	68.9	68.3	64.2	59.4
10	67.5	63.2	61.3	....	63.8	h63.58	65.0	68.4	68.5	67.8	64.2	59.9
15	66.9	62.0	61.6	58.4	64.4	65.0	66.0	68.8	69.2	66.7	63.1	59.9
20	67.4	60.1	60.4	59.4	65.4	66.0	68.1	68.6	69.5	67.5	61.6	59.8
25	66.7	60.2	60.3	60.3	65.0	66.0	68.9	69.4	69.1	66.5	60.0	58.7
Eom	65.1	60.6	61.2	61.0	62.5	66.3	68.2	69.8	68.2	65.0	59.4	55.0

h Tape measurement.

79:3-A--Continued.

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	55.0	57.1	59.7	57.4	57.6	63.7	65.9	64.2	66.9	....	....	59.3
10	56.9	57.9	58.3	57.4	h56.86	65.2	h64.83	65.0	67.1	....	61.4	59.7
15	57.9	56.9	57.9	57.5	57.1	66.1	h64.46	65.2	67.4	....	62.2	59.8
20	58.8	58.7	58.2	....	57.9	65.9	65.9	65.9	66.6	64.0	62.2	60.2
25	58.0	59.4	58.8	58.3	58.9	65.2	65.6	67.0	66.5	....	61.7	60.2
Eom	h56.95	59.7	57.5	58.6	61.7	65.2	65.0	67.2	....	....	60.3	59.8

h Tape measurement.

79:5-193. Memphis Light, Gas and Water Division. Central Ave. and Tanglewood St. Lat 35°07'36", long 89°59'32". Drilled unused artesian well in sand of Claiborne group, diam 12 in., depth 488 ft, cased to 428, screened 428-488. Lsd 286.70 ft above msl. MP top of casing, 4.50 ft above lsd. Highest water level 58.65 below lsd, Apr. 3, 1933; lowest 123.1 below lsd, Aug. 17, 1956. Records available: 1928-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	113.1	.....	112.3	112.6	113.7	116.6	118.5	121.9	120.5	....	116.6	115.6
10	113.4	.....	112.7	112.1	114.7	119.1	118.7	122.8	120.5	119.0	116.9	115.6
15	113.8	112.5	112.4	113.2	115.9	118.6	119.2	122.2	120.9	118.7	116.7	116.7
20	114.0	.....	112.3	113.8	116.6	118.6	120.6	....	120.8	119.2	115.8	116.7
25	113.5	113.0	112.4	113.7	117.4	118.9	120.7	122.5	120.3	118.8	115.0	115.6
Eom	h113.67	112.5	112.8	113.9	117.2	119.6	120.9	122.2	120.5	117.5	115.4	h114.32

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	114.5	114.0	111.8	113.4	114.0	113.8	115.2	118.8	117.3	116.0	112.8	112.4
10	114.9	114.1	112.6	113.5	113.6	114.2	115.4	119.3	116.0	115.4	113.5	112.8
15	114.8	114.9	113.8	112.1	113.3	116.0	116.5	118.5	....	114.8	113.0	113.0
20	114.6	112.6	112.8	113.0	....	117.0	118.9	118.1	....	115.1	112.3	112.3
25	114.6	112.4	112.8	113.3	114.7	116.0	119.5	118.4	116.0	....	112.8	111.7
Eom	114.8	112.9	113.2	112.8	114.6	116.4	118.1	119.1	115.6	114.1	112.4	108.7

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	109.8	110.8	112.2	110.8	110.2	113.2	115.9	116.3	116.1	....	112.3	110.1
10	110.5	111.0	111.9	110.2	109.4	114.4	114.9	117.0	113.8	....	111.0	110.3
15	110.5	110.8	110.7	110.1	109.8	116.7	114.4	117.6	113.9	112.4	111.3	110.8
20	111.2	112.0	111.1	109.9	110.6	117.1	114.8	117.6	113.8	112.7	111.0	111.2
25	111.5	112.3	111.2	110.4	111.2	117.1	116.1	117.6	113.1	112.6	111.0	111.0
Eom	111.0	112.1	110.6	110.4	112.2	116.7	116.2	116.2	113.8	112.6	111.0	110.2

h Tape measurement.

79:8-86S. Memphis Light, Gas and Water Division. Willow Rd. and Getwell St. Lat 35°05'15", long 89°55'36". Drilled observation water-table well in terrace deposits, diam 6 in., depth 91 ft, cased to 81, screened 81-91. Lsd 260 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 21.28 below lsd, Apr. 2, 1950; lowest 37.67 below lsd, Feb. 1, 1957. Records available: 1948-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	34.30	h33.72	33.46	33.46	33.00	32.84	33.77	35.29	36.34	36.74	37.27	36.84
10	34.29	.....	33.14	33.04	33.66	34.03	35.81	36.06	36.84	....	36.71	....
15	.....	34.09	33.03	32.94	33.36	34.17	36.09	36.23	37.03	37.05	36.79	....
20	34.30	h34.37	33.87	33.08	32.99	33.50	34.52	36.20	36.51	37.24	37.02	36.59
25	34.37	.....	33.75	....	33.03	33.61	34.02	36.47	36.54	37.29	37.09	36.68
Eom	34.52	.....	33.50	32.99	32.96	33.54	34.82	36.70	37.47	37.23	36.63	....

1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	36.74	37.08	36.77	....	35.52	34.90	35.24	36.05	36.52	36.02	35.96	36.10
10	37.29	37.16	36.81	35.87	35.50	34.88	35.53	36.26	36.24	....	36.00	35.79
15	36.79	37.04	36.96	35.62	35.61	34.85	35.78	36.48	36.03	36.04	35.74	35.81
20	36.90	37.00	36.55	35.58	35.33	34.92	....	36.46	35.81	36.31	35.89	35.86
25	37.20	36.53	36.21	35.37	35.19	34.96	35.77	36.32	35.97	36.18	35.53	35.54
Eom	37.14	36.97	35.88	35.30	35.09	35.30	36.09	36.80	35.66	36.19	36.15	35.65

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	35.77	35.56	h34.85	33.80	32.33	h30.87	....	30.96	30.79	30.82	30.53	30.70
10	35.31	35.62	34.73	33.73	32.02	31.35	30.94	31.10	30.77	30.66	30.63	30.54
15	35.37	35.14	34.77	33.78	h31.68	31.21	30.88	....	30.73	30.63	30.57	30.62
20	35.41	h35.21	34.44	33.40	....	31.06	30.90	h30.87	30.64	30.44	30.59	30.76
25	35.26	35.40	34.32	32.86	31.21	h30.71	....	h30.96	30.54	30.51	30.47	30.69
Eom	35.27	....	....	32.77	31.04	h30.72	h30.67	31.22	30.56	30.69	30.58	30.53

h Tape measurement.

79:148-1D. T. D. Ervin. Sloanville. Lat 35°21'10", long 89°57'02". Drilled unused artesian well in sand of Wilcox group, diam 24 to 16 in, depth 1,558 ft, cased to 1,497, screened 1,497-1,558. Lsd 264.20 ft above msl. MP top of casing, 0.60 ft above lsd. Highest water level 33.20 below lsd, Apr. 21, 1947; lowest 52.64 below lsd, Oct. 10, 1956. Records available: 1946-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	49.98	.....	48.45	48.98	49.41	49.95	50.72	51.33	52.21	52.53	52.33	51.53
10	50.13	49.20	48.64	49.06	49.55	49.98	50.68	51.46	52.34	52.64	52.28	51.36
15	50.01	48.80	48.77	48.86	49.50	49.96	50.75	51.60	52.25	52.58	52.21	51.19
20	50.09	.....	48.96	49.30	49.65	50.20	50.92	51.68	52.39	52.49	52.05	50.93
25	50.21	.....	48.92	49.28	49.77	50.40	51.05	51.84	52.40	52.46	51.81	.....
Eom	50.20	48.73	48.80	49.33	49.75	50.44	51.23	51.97	52.53	52.22	51.75	50.52

1957

5	50.53	.....	48.89	48.78	48.05	47.36	48.30	48.29	48.64	48.76	48.67	47.72
10	50.67	49.19	49.07	48.72	48.03	47.84	48.19	48.39	48.79	48.84	48.78	47.81
15	50.49	48.96	49.19	48.44	48.11	48.14	48.03	48.47	48.64	48.72	48.29	47.85
20	50.45	48.83	49.05	48.03	48.01	48.28	48.04	48.51	48.69	48.89	48.18	47.67
25	50.25	48.59	48.84	47.81	47.90	48.40	48.15	48.43	48.77	48.72	47.80	47.65
Eom	.....	48.74	48.98	47.84	47.49	48.44	48.13	48.57	48.73	48.56	47.71	47.58

1958

5	47.70	48.05	48.29	47.51	47.03	47.34	47.25	46.45	47.80	47.88	48.10	48.01
10	47.57	48.08	48.13	47.40	46.80	47.35	47.33	46.65	47.95	48.06	48.21	48.06
15	47.89	48.03	48.00	47.37	46.57	47.34	47.29	46.81	47.92	48.14	48.21	48.13
20	48.15	48.22	47.85	47.19	.....	47.29	47.19	47.08	47.88	48.03	48.17	48.11
25	48.09	48.21	47.80	47.04	.....	47.07	46.88	47.35	47.82	48.12	48.12	48.16
Eom	48.09	48.18	47.66	47.15	46.87	47.23	46.57	47.66	47.84	48.28	48.09	48.13

79:148-1S. T. D. Ervin. Sloanville. Lat 35°21'10", long 89°57'03". Drilled unused artesian well in Claiborne group, diam 18 to 12 in, depth 440 ft, cased to 360, screened 360-440. Lsd 268.76 ft above msl. MP top of casing, 0.60 ft above lsd. Highest water level 40.55 below lsd, June 29, 1953; lowest 48.64 below lsd, Dec. 9-10, 1956. Records available: 1953-58.

Lowest water level for the day, from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	40.80	.....	42.52	.....	44.13	44.13
10	41.81	42.60	.....	.....	44.22	44.01
15	41.96	42.68	43.60	44.24	44.06	.....
20	41.18	42.15	42.85	43.76	44.13	44.11
25	41.19	42.28	.....	43.80	44.00	44.13
Eom	40.59	41.38	42.41	.....	43.96	44.16	44.12

1954

5	44.12	43.67	43.72	43.56	43.12	43.49	44.27	45.20	45.89	46.22	46.28	46.55
10	44.09	43.63	43.47	43.56	43.21	43.54	44.44	45.35	45.90	46.35	46.41	46.59
15	44.01	43.74	43.74	43.38	43.16	43.56	44.60	45.56	46.02	46.37	46.36	46.40
20	43.86	43.58	43.56	43.49	43.19	43.78	44.78	45.63	46.09	46.41	46.35	46.49
25	43.66	43.49	43.52	43.42	43.20	43.97	44.70	45.69	46.23	46.34	46.46	46.50
Eom	43.59	43.54	43.63	43.22	43.30	44.16	45.16	.....	46.15	46.18	46.61	46.32

1955

5	46.22	46.40	45.59	43.88	44.19	44.86	45.48	46.13	46.71	47.26	47.57	47.37
10	46.16	46.42	45.33	43.80	44.31	44.79	45.68	46.16	46.84	47.43	47.46	47.53
15	46.01	46.36	45.17	43.84	44.45	44.87	45.76	46.36	46.98	47.24	47.48	47.58
20	46.05	46.05	44.97	44.08	.....	44.97	45.85	46.39	47.04	47.40	47.60	47.62
25	46.14	46.07	44.60	44.03	.....	45.08	45.82	46.47	47.22	47.51	47.45	47.58
Eom	46.36	45.87	44.37	44.21	.....	45.33	46.01	46.62	47.22	47.48	47.32	47.81

1956

5	47.69	47.38	45.69	45.22	44.96	45.72	46.05	46.92	47.57	48.14	48.47	48.51
10	47.73	46.99	45.61	45.21	45.20	45.80	46.05	47.06	47.76	48.31	48.53	48.64
15	47.69	46.54	45.58	44.98	45.23	45.75	46.05	47.15	47.77	48.32	48.48	48.47
20	47.75	43.23	45.65	45.14	45.35	45.85	46.11	47.25	47.93	48.34	48.48	48.35
25	47.80	46.01	45.54	45.03	45.51	45.98	46.16	47.30	47.98	48.40	48.45	48.20
Eom	47.81	46.00	45.31	44.94	45.57	45.98	.....	47.38	48.08	48.35	48.50	48.13

1957

5	48.15	47.60	.....	46.41	45.38	44.72	45.16	45.74	46.58	46.76	46.58	45.28
10	48.31	.....	46.61	46.39	45.44	44.74	45.26	45.91	46.64	46.89	46.63	45.20
15	48.28	.....	46.73	46.10	45.53	44.92	45.27	45.97	46.55	46.90	46.24	45.30
20	48.42	.....	46.69	45.65	45.60	45.12	45.42	46.13	46.62	46.98	45.96	45.06
25	48.23	.....	46.57	45.35	45.50	45.20	45.56	46.27	46.60	46.68	45.68	45.01
Eom	47.88	.....	46.71	45.23	45.14	45.18	45.57	46.52	46.66	46.51	45.42	44.66

h Tape measurement.

79:148-1S--Continued.

Day	1958											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	44.67	44.37	44.33	43.63	43.06	43.20	44.10	.....	.....	.....	.....	46.36
10	44.54	44.28	44.28	43.46	42.86	43.35	44.34	.....	.....	.....	46.15	46.41
15	44.35	44.23	44.11	43.39	42.62	44.45	.....	.....	.....	.....	46.20	46.46
20	44.53	44.30	43.94	43.18	42.54	43.73	44.48	.....	.....	.....	46.26	46.46
25	44.44	44.29	43.84	43.07	42.46	44.76	44.43	.....	.....	.....	46.28	46.51
Eom	44.43	44.15	43.69	43.11	42.73	43.98	.....	.....	.....	.....	46.40	46.52

Williamson County

94:1-1. Tennessee Division of Geology and U. S. Geol. Survey. Near Franklin. Lat 35°55'02", long 86°54'11". Drilled observation artesian well in Knox dolomite, diam 6 in, depth 1,160 ft, cased to 473. Lsd 725 ft above msl. MP top of casing, 2,80 ft above lsd. Highest water level 84.21 below lsd, Mar. 10, 1952; lowest 114.81 below lsd, Jan. 31, 1950. Records available: 1950-58.

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	85.23	85.04	85.06	85.12	.....	85.35	85.37	85.38	85.36	85.36	85.51	85.44
10	85.24	85.18	85.11	85.03	.....	85.33	85.36	85.35	85.39	85.53	85.52	85.63
15	85.12	85.05	85.19	84.87	.....	85.24	85.23	85.34	85.24	85.49	85.28	85.36
20	85.15	.....	85.27	.....	85.34	85.29	85.34	85.25	85.31	85.43	85.32	.....
25	85.22	.....	85.25	.....	85.42	85.27	85.31	85.35	85.27	85.42	85.32	85.39
Eom	85.44	.....	85.09	.....	85.19	85.29	85.38	85.24	85.42	85.32	85.34	85.29

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	85.42	85.36	85.18	85.13	85.49	85.25	85.34	85.46	85.52	.....	85.51	85.48
10	85.64	85.26	85.29	85.46	85.46	85.33	85.56	85.49	85.56	.....	85.77	85.34
15	85.43	85.35	85.49	85.66	85.38	85.39	85.41	85.48	85.41	.....	85.21	85.56
20	85.69	85.38	85.33	85.53	85.18	85.35	85.48	85.59	85.39	.....	85.37	.....
25	85.48	85.32	85.08	85.53	85.39	85.38	85.51	85.56	.....	.....	85.35	85.48
Eom	85.35	85.15	85.46	85.48	85.45	85.31	85.33	85.59	.....	.....	85.49	85.40

h Tape measurement.

References

Criner, J. H., Jr., 1956, Tennessee, in 1956 water-level report: U. S. Geol. Survey open-file rept.

VIRGINIA

By Charles R. Austin and Rodney Hart

The observation-well program in Virginia was continued during 1956-58, in cooperation with the Virginia Division of Mineral Resources, through June 30, 1956, and, excluding northern Virginia, with the Virginia Division of Water Resources, through June 30, 1957. Figure 14 shows the location of observation wells included in this report.

Well-Numbering System

Observation wells in Virginia are listed alphabetically by counties and serially within each county.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum unless otherwise indicated.

Accomack County

8. U. S. Naval Air Station well. Formerly B-8. Near Chincoteague. Lat 37°55', long 75°28'. Drilled unused water-table well in sands of Columbia group, diam 8 in, depth 60 ft. Lsd 34.10 ft above msl. MP top of casing, 1.65 ft above lsd. Highest water level 23.46 below lsd, June 23, 1958; lowest 29.86 below lsd, Sept. 10, 1951. Records available: 1948-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1956	26.60	Sept. 25, 1956	25.88	July 29, 1957	25.29	May 12, 1958	23.72
9	26.60	Oct. 1	25.89	Aug. 7	25.35	19	23.65
17	26.62	8	25.93	12	25.35	26	23.57
30	26.64	15	25.95	20	25.37	June 2	23.53
Feb. 7	26.70	22	25.91	26	25.37	11	23.51
15	26.63	Nov. 19	25.65	Sept. 3	25.42	16	23.49
20	26.62	26	25.59	9	25.48	23	23.46
27	26.54	Dec. 3	25.54	16	25.52	30	23.55
Mar. 5	26.52	10	25.57	24	25.55	July 7	23.54
12	26.51	17	25.52	30	25.54	14	23.63
19	26.53	26	25.55	Oct. 7	25.63	21	23.67
26	26.52	Jan. 2, 1957	25.63	28	25.75	28	23.71
Apr. 2	26.49	10	25.59	Nov. 18	25.73	Aug. 4	23.79
9	26.31	14	25.69	Dec. 2	25.78	11	23.88
16	26.22	22	25.77	9	25.75	18	23.91
23	26.24	28	25.69	23	25.72	25	23.88
May 1	26.15	Feb. 4	25.82	30	25.55	Sept. 2	23.73
8	26.15	11	25.77	Jan. 7, 1958	25.47	8	23.58
22	26.05	18	25.65	13	25.46	15	23.57
28	25.96	25	25.63	22	25.39	22	23.53
June 5	25.96	Mar. 4	25.60	27	25.35	29	23.62
11	25.92	18	25.46	Feb. 3	25.05	Oct. 6	23.69
19	25.87	Apr. 1	26.08	10	25.46	13	23.77
26	25.79	8	25.19	24	25.21	20	23.75
July 2	25.78	29	24.93	Mar. 10	25.04	27	23.81
23	25.61	May 6	25.90	17	24.98	Nov. 3	23.85
30	25.72	14	24.84	24	25.01	10	23.87
Aug. 8	25.70	20	24.79	31	24.79	17	23.92
13	25.70	27	24.81	Apr. 7	24.57	25	23.92
20	25.70	June 3	24.86	14	24.44	Dec. 1	24.03
27	25.72	18	24.93	21	24.15	8	24.05
Sept. 4	25.77	July 1	25.04	28	24.00	15	24.02
10	25.65	9	25.09	May 5	23.85	22	24.18
17	25.80	22	25.23				

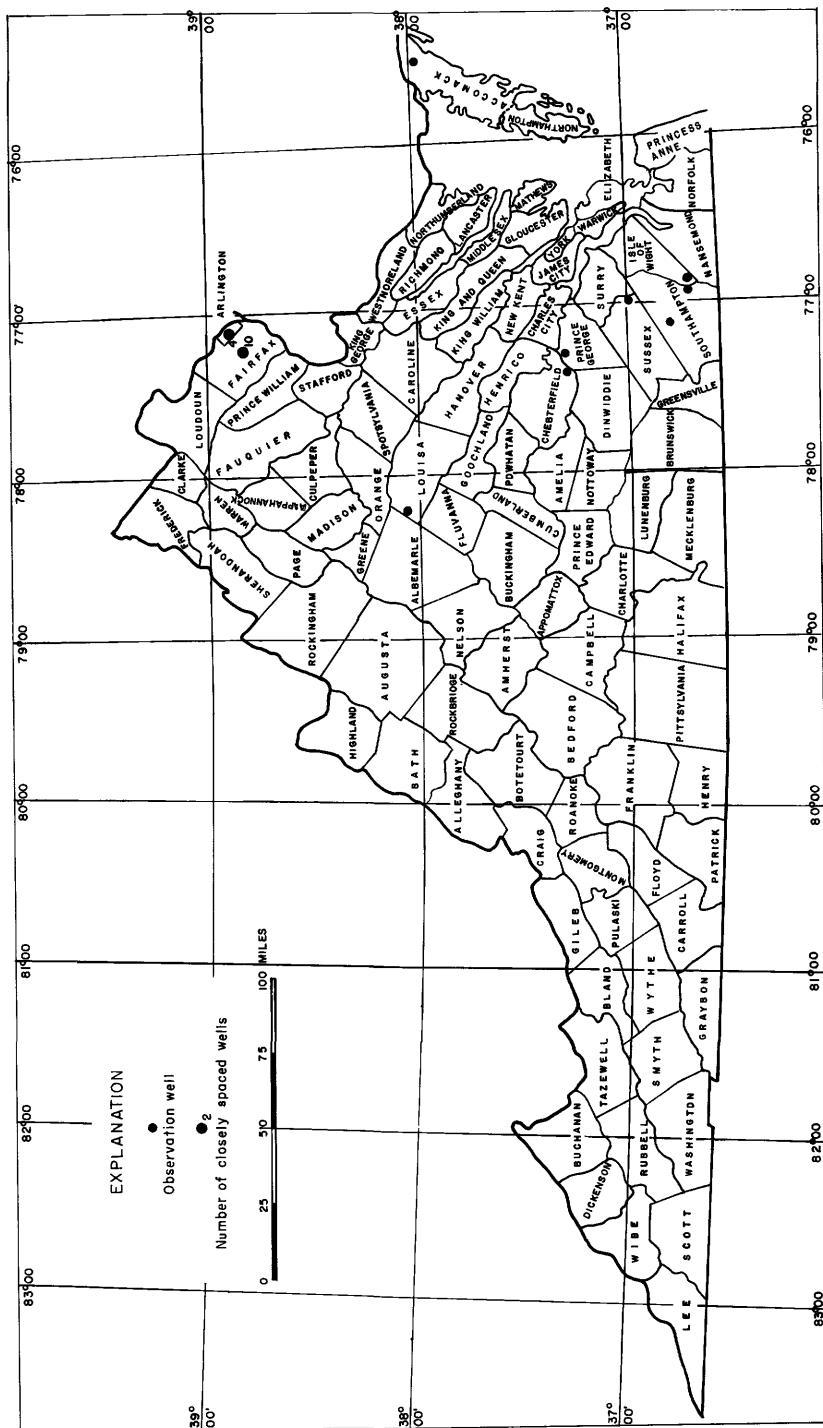


Figure 14.--Location of observation wells in Virginia, 1956-58.

Arlington County

1. Arlington County School Dept. Formerly Halls Hill. Langston School. 4854 Lee Highway, Arlington. Lat $38^{\circ}53'46''$, long $77^{\circ}07'37''$. Dug unused water-table well in Brandywine formation and Bryn Mawr (?) gravel, overlying Sykesville formation (of Jonas, 1928) (previously reported sands and gravel of Pliocene (?) and Pleistocene age), diam 24 in, depth 35 ft. Lsd 410 ft above msl. MP inner flange of manhole, at lsd. Highest water level 17.74 below lsd, Apr. 20, 1935; lowest 34.80 below lsd, Jan. 4, 1932. Records available: 1932-58. For additional measurements, see Cady (1938).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1956	28.70	Oct. 31, 1956	28.38	July 31, 1957	26.09	Apr. 30, 1958	21.27
Mar. 1	27.99	Nov. 30	28.39	Aug. 30	27.39	June 2	20.25
30	26.77	Dec. 31	27.96	Sept. 30	28.18	July 2	21.46
Apr. 30	26.09	Jan. 31, 1957	27.49	Nov. 1	28.84	31	21.54
May 31	26.20	Mar. 1	26.11	29	29.27	Sept. 2	21.94
June 29	26.78	Apr. 1	24.81	Dec. 30	27.91	30	22.86
July 31	26.72	May 1	23.83	Jan. 31, 1958	26.57	Oct. 30	24.10
Aug. 31	27.04	31	24.35	Feb. 28	25.30	Dec. 1	25.13
Oct. 1	27.90	July 2	25.13	Apr. 1	23.11	31	26.18

2. Grace Jones. Formerly Ross. 1918 N. Wayne St., Arlington (previously reported as Rosslyn). Lat $38^{\circ}53'46''$, long $77^{\circ}05'19''$. Dug unused water-table well in terrace gravels of Recent age (previously reported as Pleistocene age), diam 25 in, depth 28 ft. Lsd 235 ft above msl. MP top of wood recorder platform, 2.50 ft above lsd. Highest water level 15.85 below lsd, May 20, 1938; lowest 25.42 below lsd, Mar. 21, 28, 1931. Records available: 1928-58. For additional measurements, see Cady (1938).

Jan. 30, 1956	23.43	Oct. 31, 1956	23.77	July 31, 1957	22.47	Apr. 30, 1958	16.84
Mar. 1	22.30	Nov. 30	23.90	Aug. 30	23.24	June 2	17.26
30	20.70	Dec. 31	23.43	Sept. 30	23.86	July 1	19.12
Apr. 30	20.87	Jan. 31, 1957	23.16	Nov. 1	24.32	31	19.34
May 31	21.38	Mar. 1	21.89	29	24.60	Sept. 2	20.46
June 29	22.06	Apr. 1	20.68	Dec. 30	23.32	30	21.32
July 31	22.45	May 1	19.89	Jan. 31, 1958	22.35	Oct. 30	22.14
Aug. 31	22.93	31	20.82	Feb. 28	21.38	Dec. 1	22.77
Oct. 1	23.44	July 2	21.70	Apr. 1	17.19	31	23.35

3. M. O. Sinclair. 2812 23d St. N., Arlington. Lat $38^{\circ}53'50''$, long $77^{\circ}05'52''$. Drilled unused water-table well in Sykesville formation (of Jonas, 1928), diam 6 in, depth 48 ft. Lsd 225 ft above msl. MP top of flagstone, 0.70 ft above lsd (since Sept. 2, 1958). Highest water level 32.14 below lsd, July 2, 1958; lowest 35.71 below lsd, Dec. 30, 1958. Records available: 1958. July 2, 1958, 32.14; July 31, 32.66; Sept. 2, 33.23; Sept. 30, 34.08; Oct. 30, 35.05; Dec. 1, 35.43; Dec. 30, 35.71.

4. National Capitol Parks. Arlington National Cemetery, Arlington. Lat $38^{\circ}52'53''$, long $77^{\circ}04'23''$. Dug unused water-table well in terrace gravels of Recent age and Potomac group, diam 4 ft, depth 50 ft. Lsd 205 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 41.39 below lsd, June 2, 1958; lowest 43.50 below lsd, Jan. 31, 1958. Records available: 1958.

Jan. 31, 1958	43.50	Apr. 30, 1958	41.99	July 31, 1958	41.81	Oct. 30, 1958	42.26
Feb. 28	43.22	June 2	41.39	Sept. 2	41.93	Dec. 2	42.48
Apr. 1	42.76	July 2	41.57	Oct. 6	42.11	30	42.72

Chesterfield County

36. J. W. Jacot. Pilcher well, Matoaka Manor. Lat $37^{\circ}17'$, long $77^{\circ}25'$. Drilled unused water-table well in Petersburg granite, diam 6 in, depth 139 ft. Lsd 57.30 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 11.76 below lsd, Aug. 30, 1955; lowest 19.09 below lsd, Jan. 14, 1942. Records available: 1939-58.

Jan. 30, 1956	15.99	Aug. 27, 1956	14.56	Sept. 4, 1957	16.58	Apr. 23, 1958	12.78
Feb. 28	13.93	Dec. 12	14.27	Oct. 7	16.10	May 22	12.70
Apr. 6	14.14	Jan. 24, 1957	14.55	Nov. 13	15.38	June 19	14.35
May 7	14.26	Feb. 21	12.32	Dec. 12	12.93	July 17	15.22
June 7	14.86	Apr. 11	12.58	Feb. 4, 1958	12.77	Aug. 13	15.49
July 6	15.46	May 22	13.82	Mar. 5	12.73	Sept. 17	16.06
Aug. 6	13.77	July 18	16.32				

Fairfax County

1. Atwell Somerville. Formerly Bacon. Fair Acres Farm. Northwest of Fairfax on U. S. Highway 50. Lat 38°51'52", long 77°21'13". Dug unused water-table well in Wissahickon formation, diam 4 ft, depth 24 ft. Lsd 400 ft above msl. MP top of wooden recorder platform, 2.00 ft above lsd. Highest water level 9.63 below lsd, Apr. 30, 1952; lowest 23.58 below lsd, Dec. 26, 1931. Records available: 1931-58. For additional measurements, see Cady (1938).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1956	16.97	Oct. 31, 1956	15.71	July 31, 1957	16.71	Apr. 30, 1958	10.13
Mar. 1	15.77	Nov. 30	15.14	Aug. 30	17.84	June 2	11.17
30	14.12	Dec. 31	14.55	Sept. 30	18.52	July 1	12.83
Apr. 30	14.09	Jan. 31, 1957	14.14	Nov. 1	18.67	Aug. 1	13.39
May 31	14.84	Mar. 1	13.33	29	18.66	Sept. 2	14.54
June 29	15.86	Apr. 1	12.99	Dec. 30	15.49	30	15.49
July 31	14.95	May 1	12.84	Jan. 31, 1958	13.75	Oct. 30	16.20
Aug. 31	15.62	31	14.17	Feb. 28	12.84	Dec. 1	16.66
Oct. 1	15.99	July 1	15.49	Apr. 1	9.87	31	17.10

2. Bless and Muns Construction Co. Formerly Bell. Ash Grove. Southeast corner of intersection of State Highway 7 and Spring Hill Rd., Falls Church. Lat 38°55'42", long 77°14'25". Augered unused water-table well in alluvium of Recent age, diam 2 in, depth 7 ft. Lsd 405 ft above msl. MP top of casing, 2.07 ft above lsd. Highest water level 0.02 below lsd, Nov. 29, 1948; lowest 14.43 below lsd, Oct. 1, 1932. Records available: 1932-58. For additional measurements, see Cady (1938).

Jan. 30, 1956	2.55	Oct. 31, 1956	1.77	July 31, 1957	(f)	Apr. 30, 1958	0.17
Mar. 1	2.74	Nov. 30	3.18	Aug. 30	(f)	June 2	.89
30	1.04	Dec. 31	1.85	Sept. 30	(f)	July 1	2.90
Apr. 30	2.48	Jan. 31, 1957	.43	Nov. 1	(f)	Aug. 1	2.00
May 31	3.67	Mar. 1	.05	29	(f)	Sept. 2	2.48
June 29	5.53	Apr. 1	1.19	Dec. 30	2.15	30	4.56
July 31	2.63	May 1	2.12	Jan. 31, 1958	.95	Oct. 30	5.42
Aug. 31	4.53	31	3.31	Feb. 28	.03	Dec. 1	5.40
Oct. 1	3.48	July 1	4.98	Apr. 1	.07	31	4.98

f Dry.

4. Swart. Northwest of Fairfax on U. S. Highway 50 at Difficult Run. Lat 38°51'48", long 77°20'48". Dug unused water-table well in alluvium of Recent age, diam 25 in, depth 11 ft (previously reported 10 ft). Lsd 350 ft above msl. MP top of casing, 1.20 ft above lsd (since July 1958). Highest water level 0.21 below lsd, Apr. 7, 1939; lowest 3.83 below lsd, Sept. 25, 1936. Records available: 1932-58. For additional measurements, see Cady (1938).

Jan. 30, 1956	1.27	Oct. 31, 1956	1.22	July 31, 1957	2.38	Apr. 1, 1958	1.15
Mar. 1	1.29	Nov. 30	1.26	Aug. 30	2.80	30	1.13
30	1.25	Dec. 31	1.23	Sept. 30	1.93	June 2	1.19
Apr. 30	1.29	Jan. 31, 1957	1.20	Nov. 1	1.50	July 1	1.62
May 31	1.29	Mar. 1	1.10	29	1.26	Aug. 1	1.61
June 29	1.47	Apr. 1	1.07	Dec. 30	1.26	Sept. 2	1.67
July 31	1.30	May 1	1.17	Jan. 31, 1958	1.22	Dec. 1	1.64
Aug. 31	1.43	31	1.27	Feb. 28	1.16	31	1.67
Oct. 1	1.23	July 1	1.25				

5. Nellie Davis. South of County road 645 and 1 mi west of State road 123, Fairfax. Lat 38°45'43", long 77°19'46". Drilled unused water-table well in granite, diam 6 in, depth 56 ft. Lsd 360 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 18.85 below lsd, June 2, 1958; lowest 31.72 below lsd, Dec. 30, 1954. Records available: 1954-58.

Nov. 30, 1954	31.53	Dec. 30, 1955	27.64	Jan. 31, 1957	22.91	Jan. 31, 1958	24.41
Dec. 30	31.72	Jan. 30, 1956	27.79	Mar. 1	21.77	Feb. 28	22.99
Jan. 31, 1955	31.13	Mar. 1	25.98	Apr. 1	20.85	Apr. 1	20.28
Mar. 1	30.37	30	24.71	May 1	20.14	30	18.86
31	28.22	Apr. 30	23.92	31	21.92	June 2	18.85
May 2	27.14	May 31	24.39	July 1	23.99	July 1	21.35
31	26.77	June 29	25.63	31	26.41	31	21.86
June 30	26.34	July 31	23.74	Aug. 30	28.50	Sept. 2	23.30
Aug. 1	28.11	Aug. 31	23.85	Sept. 30	29.58	30	24.59
Sept. 2	25.95	Oct. 1	25.37	Nov. 4	29.71	Oct. 30	25.74
30	26.27	31	25.69	29	29.64	Dec. 2	26.45
Oct. 31	27.12	Nov. 30	24.56	Dec. 30	26.76	30	26.71
Nov. 30	27.40	Dec. 31	23.48				

6. Sydenstricker Church. East of intersection of County roads 641 and 643, Springfield. Lat 38°45'18", long 77°16'35". Dug unused water-table well in granite, diam 24 in, depth 28 ft. Lsd 340 ft above msl. MP hole in cement platform, 1.00 ft above lsd. Highest water level 15.94 below lsd, June 2, 1958; lowest 24.37 below lsd, Nov. 29, 1957. Records available: 1957-58.

6--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 1, 1957	17.17	Nov. 4, 1957	24.12	Apr. 1, 1958	18.53	Sept. 2, 1958	17.62
31	17.66	29	24.37	30	16.82	30	18.43
July 1	18.80	Dec. 30	23.56	June 2	15.94	Oct. 30	19.29
31	20.93	Jan. 31, 1958	22.07	July 1	17.10	Dec. 2	19.79
Aug. 30	22.56	Feb. 28	19.98	31	16.84	30	20.15
Sept. 30	23.50						

7. H. L. Lane. 912 East Estabrook, Annandale. Lat $38^{\circ}50'02''$, long $77^{\circ}12'49''$. Drilled unused water-table well in Wissahickon formation, diam 6 in, depth 111 ft. Lsd 270 ft above msl. MP top of casing, 6.20 ft below lsd. Highest water level 27.25 below lsd, June 2, 1958; lowest 36.46 below lsd, Nov. 29, 1957. Records available: 1957-58.

July 1, 1957	31.54	Nov. 29, 1957	36.46	Apr. 30, 1958	28.45	Sept. 30, 1958	29.38
31	32.75	Dec. 30	35.80	June 2	27.25	Oct. 30	30.44
Aug. 30	34.03	Jan. 31, 1958	34.03	July 1	28.11	Dec. 2	31.38
Sept. 30	35.13	Feb. 28	32.71	31	28.06	30	32.08
Nov. 1	35.89	Apr. 1	30.83	Sept. 2	28.59		

8. Annandale Water Co. Northwest of intersection of Royce St. and Hummer Rd., Annandale. Lat $38^{\circ}50'22''$, long $77^{\circ}12'33''$. Drilled unused water-table well in Wissahickon formation, diam 6 in, depth 165 ft. Lsd 320 ft above msl. MP hole in base of pump, 0.65 ft above lsd. Highest water level 27.83 below lsd, June 2, 1958; lowest 39.15 below lsd, Nov. 29, 1957. Records available: 1957-58.

July 1, 1957	31.80	Dec. 30, 1957	38.71	June 2, 1958	27.83	Sept. 30, 1958	30.97
31	33.73	Jan. 31, 1958	36.88	July 1	28.75	Oct. 30	32.05
Aug. 30	35.83	Feb. 28	35.25	31	28.85	Dec. 2	33.04
Sept. 30	37.39	Apr. 1	32.54	Sept. 2	29.83	30	33.56
Nov. 29	39.15	30	29.60				

9. James A. McWhorter. Southeast of intersection of McWhorter Place and State road 236, Annandale. Lat $38^{\circ}49'46''$, long $77^{\circ}11'58''$. Drilled unused water-table well in Sykesville formation (of Jonas, 1928), diam 8 in, depth 187 ft. Lsd 360 ft above msl. MP top of casing, 0.75 ft above lsd (since July 1958). Highest water level 23.62 below lsd, Apr. 30, 1958; lowest 30.48 below lsd, Sept. 30, 1957. Records available: 1957-58.

July 1, 1957	28.31	Nov. 29, 1957	29.94	Apr. 30, 1958	23.62	Sept. 30, 1958	26.73
31	28.63	Dec. 30	28.35	July 1	25.11	Oct. 30	27.58
Aug. 30	29.96	Jan. 31, 1958	26.87	31	25.33	Dec. 2	27.79
Sept. 30	30.48	Feb. 28	25.76	Sept. 2	26.16	30	28.32
Nov. 1	30.24	Apr. 1	24.01				

10. R. E. Stanley. Southeast of intersection of Woodridge Rd. and Overlook Dr., Alexandria. Lat $38^{\circ}49'51''$, long $77^{\circ}09'44''$. Dug unused water-table well in Potomac group and Sykesville formation (of Jonas, 1928), diam 30 in, depth 44 ft. Lsd 320 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 24.10 below lsd, June 2, 1958; lowest 32.43 below lsd, Nov. 29, 1957. Records available: 1957-58.

July 1, 1957	27.64	Nov. 29, 1957	32.43	Apr. 30, 1958	24.29	Sept. 30, 1958	27.74
31	29.43	Dec. 30	30.33	June 2	24.10	Oct. 30	28.49
Aug. 30	30.97	Jan. 31, 1958	28.67	July 1	25.21	Dec. 2	28.80
Sept. 30	31.84	Feb. 28	25.68	31	25.84	30	29.08
Nov. 1	32.31	Apr. 1	25.36	Sept. 2	26.76		

11. W. G. Lewis. 9 South Cockrell St., Alexandria. Lat $38^{\circ}48'43''$, long $77^{\circ}05'43''$. Drilled unused water-table well in Potomac group, diam 6 in, depth 50 ft. Lsd 110 ft above msl. MP inner flange of cement pit, 0.70 ft above lsd. Highest water level 44.37 below lsd, Apr. 30, 1958; lowest 45.77 below lsd, Nov. 29, 1957. Records available: 1957-58.

July 1, 1957	45.64	Nov. 29, 1957	45.77	Apr. 30, 1958	44.37	Sept. 30, 1958	45.57
31	45.64	Dec. 30	45.53	June 2	45.24	Oct. 30	45.60
Aug. 30	45.76	Jan. 31, 1958	45.34	July 1	45.42	Dec. 2	45.58
Sept. 30	45.73	Feb. 28	44.62	31	45.45	30	45.57
Nov. 1	45.50	Apr. 1	44.54	Sept. 2	45.52		

Isle of Wight County

161. Union Bag-Camp Paper Co. Formerly Camp Manufacturing Co. Lat $36^{\circ}40'$, long $76^{\circ}55'$. Drilled observation artesian well in sand of Potomac group, diam 6 to 4 in, depth 605 ft, cased 6-in 0-129, 4-in 129-605, slotted 330-335, 400-405, 595-600. Lsd 14.80 ft above msl. MP top of casing, 10.50 ft above lsd. Highest water level 7.10 above lsd, Nov. 27, 1941; lowest 100.70 below lsd, Dec. 15, 1958. Records available: 1941-58.

161--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1956	53.47	Sept. 17, 1956	66.70	June 3, 1957	66.50	Apr. 7, 1958	85.17
9	51.35	24	67.35	10	67.97	14	85.98
16	54.35	Oct. 1	67.39	17	67.79	21	84.94
23	54.82	8	67.69	24	67.85	May 5	86.02
30	55.60	15	67.78	July 1	67.67	12	86.68
Feb. 7	55.48	22	67.09	8	67.99	26	85.78
13	55.80	29	67.97	15	67.68	June 2	86.27
20	55.32	Nov. 5	64.56	22	67.18	9	85.77
27	55.25	12	66.88	29	68.99	16	85.50
Mar. 5	56.00	19	67.62	Aug. 5	69.96	23	86.20
12	56.20	26	67.70	12	69.30	30	86.66
19	55.58	Dec. 3	68.25	19	68.30	July 7	84.09
26	55.08	10	67.84	26	67.80	14	88.84
Apr. 2	55.38	17	67.10	Sept. 9	67.92	21	90.14
9	56.30	24	64.00	16	68.27	28	87.48
16	56.92	28	54.65	23	70.27	Aug. 4	89.47
23	58.35	31	64.40	30	70.20	11	89.84
30	56.63	Jan. 7, 1957	65.24	Oct. 14	70.17	18	89.47
May 7	56.96	14	66.35	21	71.32	25	89.82
14	58.18	21	67.57	28	71.18	Sept. 2	84.96
21	57.72	28	67.81	Dec. 2	68.60	8	89.72
28	58.22	Feb. 4	67.65	16	70.18	15	93.01
June 4	59.52	18	67.83	30	68.75	22	92.50
11	61.14	25	67.74	Jan. 6, 1958	70.81	29	93.50
18	62.60	Mar. 4	68.27	13	76.59	Oct. 6	95.96
25	64.14	11	68.90	20	81.99	13	98.30
July 2	64.95	18	68.90	27	82.11	20	95.03
9	65.36	25	67.79	Feb. 3	83.85	27	98.10
16	65.72	Apr. 1	68.45	10	84.05	Nov. 3	100.00
23	65.89	8	67.56	17	84.07	10	99.50
30	63.93	15	68.31	24	86.18	24	98.30
Aug. 6	64.15	22	67.60	Mar. 3	83.50	Dec. 1	100.30
13	64.64	29	66.54	10	82.00	8	97.40
20	65.37	May 7	69.18	17	82.26	15	100.70
27	65.42	13	68.87	24	81.70	22	97.02
Sept. 4	57.85	20	67.37	31	81.60	29	95.30
10	65.69	27	65.98				

Louisa County

1. Tyler well. Near Thelma, 3 mi southwest of Boswells Tavern on Tyler property near State Route 640. Lat 38°02', long 78°14'. Drilled observation water-table well in Wissahickon formation, diam 6 in., depth 56 ft. Lsd about 500 ft above msl. MP top of casing, 3.10 ft above lsd. Highest water level 15.10 below lsd, Apr. 24, 1953; lowest 30.04 below lsd, Nov. 1, 1954. Records available: 1952-58.

Jan. 2, 1956	27.44	June 11, 1956	24.84	Nov. 20, 1956	26.65	Apr. 29, 1957	19.57
9	27.52	18	25.12	26	26.05	May 6	19.77
16	27.74	25	25.45	Dec. 3	25.61	13	19.94
23	27.96	July 2	25.85	10	25.42	20	20.23
30	28.16	9	26.06	18	25.25	27	20.63
Feb. 6	28.24	16	26.18	26	24.85	June 4	21.12
13	27.47	23	26.30	31	24.55	10	21.39
20	26.97	30	25.65	Jan. 7, 1957	24.31	17	21.69
27	26.62	Aug. 6	25.17	14	24.28	26	22.08
Mar. 5	26.47	13	25.10	21	24.30	July 1	22.36
12	26.42	20	25.16	29	24.01	8	22.81
19	26.00	27	25.44	Feb. 4	23.76	15	23.20
26	25.50	Sept. 3	25.89	11	23.33	22	23.65
Apr. 2	25.25	10	26.31	18	22.84	29	24.15
9	25.02	17	26.67	25	22.43	Aug. 5	24.69
16	24.64	24	27.07	Mar. 4	21.76	12	25.12
23	24.46	Oct. 1	27.38	11	21.16	26	26.07
30	24.17	8	27.65	18	20.68	Sept. 2	26.49
May 7	23.99	15	27.90	25	20.52	9	26.90
14	23.96	23	28.15	Apr. 1	20.52	16	27.20
21	24.13	29	28.25	8	19.90	23	27.08
28	24.26	Nov. 5	27.92	15	19.79	Oct. 1	27.00
June 4	24.56	13	27.41	22	19.60	7	26.04

1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 15, 1957	25.88	Jan. 13, 1958	21.62	June 23, 1958	19.17	Oct. 6, 1958	25.13
22	25.68	20	21.27	30	20.00	13	25.36
29	25.68	27	20.55	July 7	20.64	21	25.62
Nov. 5	25.85	Feb. 3	20.14	14	21.18	27	25.78
12	26.14	10	19.78	21	21.69	Nov. 3	26.02
19	25.93	17	19.29	29	22.23	10	26.17
Dec. 3	25.49	Mar. 1	17.12	Aug. 4	22.62	17	26.37
10	24.98	29	17.10	11	22.97	24	26.54
17	24.17	Apr. 7	15.38	18	23.30	Dec. 1	26.72
24	23.70	14	15.45	25	23.68	8	26.89
30	23.13	21	15.61	Sept. 2	23.90	15	27.04
Jan. 6, 1958	22.32	May 1	16.12	15	24.38	22	27.18
	21.78	June 1	16.10	Oct. 2	25.00	29	27.07

Prince George County

13. Old Dominion Water Corp. Hopewell. Lat 37°18', long 77°16'. Drilled unused artesian well in sands of Potomac group, diam 6 in, reported depth 300 ft. Lsd 50.26 ft above msl. MP top of casing, 0.34 ft above lsd. Highest water level 20.73 below lsd, Jan. 25, 1954; lowest 56.95 below lsd, Aug. 14, 1943. Records available: 1939-58.

Jan. 6, 1956	35.98	Sept. 28, 1956	37.48	June 14, 1957	47.46	Feb. 28, 1958	37.04
13	34.26	Oct. 5	36.88	21	47.71	Mar. 7	43.64
20	33.46	12	36.91	28	47.76	14	34.31
27	36.06	19	34.94	July 5	47.81	21	33.92
Feb. 3	33.31	26	35.51	12	47.99	28	34.14
10	36.94	Nov. 3	32.03	19	48.06	Apr. 4	36.81
17	26.46	9	28.20	26	48.57	12	29.64
24	36.36	16	35.89	Aug. 2	47.75	18	35.90
Mar. 2	36.08	23	35.56	9	48.59	25	36.50
9	36.08	Dec. 1	35.58	17	47.79	May 2	38.96
17	31.99	10	35.80	23	47.99	9	40.21
23	35.89	14	35.76	30	47.88	16	41.86
30	35.61	21	35.36	Sept. 6	47.59	23	41.69
Apr. 13	34.86	28	35.20	13	47.49	29	38.16
20	35.71	Jan. 4, 1957	35.69	20	47.31	June 7	44.64
27	35.96	11	34.30	27	47.66	13	45.33
May 4	35.80	18	35.53	Oct. 4	46.95	20	33.43
11	35.99	25	32.53	11	47.36	27	42.80
18	35.91	Feb. 2	25.16	18	45.98	July 3	46.62
25	36.00	9	20.88	25	46.16	11	46.76
June 4	34.60	15	38.89	Nov. 1	46.36	18	46.72
8	35.79	22	38.52	8	45.63	25	46.64
15	40.46	Mar. 1	29.56	15	44.29	Aug. 1	46.59
22	43.76	8	30.56	22	43.76	8	46.40
29	45.96	15	40.21	29	40.88	15	46.73
July 6	46.96	22	37.91	Dec. 5	41.88	22	46.66
13	47.66	29	42.41	13	41.75	29	45.65
20	48.20	Apr. 5	43.06	20	40.90	Sept. 5	46.62
27	47.49	12	43.26	28	40.86	12	46.56
Aug. 3	48.76	19	43.46	Jan. 3, 1958	42.33	19	46.48
11	48.58	26	43.29	10	42.05	26	46.64
17	48.64	May 3	43.06	17	38.74	Oct. 3	46.57
24	48.50	10	43.20	24	41.21	10	46.64
31	45.98	17	43.33	31	41.64	17	46.58
Sept. 8	42.14	24	45.16	Feb. 10	42.13	24	46.59
14	39.75	31	46.64	14	42.61	31	44.62
21	38.62	June 7	44.24	21	43.34		

Southampton County

29. Virginian Ry. Sebrell. Lat 36°47', long 77°08'. Drilled unused artesian well in sand and gravel of pre-Miocene age, diam 10 in, depth 344 ft. Lsd 58.4 ft above msl. MP top of casing, at lsd. Highest water level 15.00 below lsd, 1907; lowest 47.66 below lsd, Sept. 16, 1958. Records available: 1907, 1938, 1940-46, 1948-58.

29--Continued.

Date	Water level						
Jan. 30, 1956	39.90	Aug. 29, 1956	41.30	July 19, 1957	44.83	Apr. 22, 1958	45.44
Feb. 28	39.71	Dec. 12	43.06	Sept. 10	45.20	May 21	45.68
Apr. 6	39.67	Jan. 23, 1957	43.31	Oct. 8	45.30	June 18	45.77
May 7	39.66	Feb. 19	43.33	Nov. 12	45.77	July 15	46.10
June 7	39.67	Mar. 20	43.38	Dec. 10	40.47	Aug. 12	47.10
July 6	40.29	Apr. 11	43.58	Feb. 4, 1958	45.32	Sept. 16	47.66
Aug. 6	40.73	May 21	43.66	Mar. 4	45.28		

205. Town of Franklin. 5th Ave. and Middle St. Lat 36°41', long 76°55'. Jetted observation (previously reported as unused) artesian well in sands of Potomac group, diam 4 in, depth 354 ft, cased to 335', screened 335-354. Lsd 21.24 ft above msl. MP top of casing, 0.50 ft below lsd. Highest water level 14.5 below lsd, June 25, 1942; lowest 96.5 below lsd, Nov. 15, 1958. Records available: 1942-58.

Jan. 7, 1956	53.5	Oct. 6, 1956	71.0	July 6, 1957	63.5	Apr. 5, 1958	81.8
14	55.5	13	70.3	13	71.5	12	82.2
21	54.5	20	70.3	20	72.5	19	81.8
28	56.7	27	71.3	27	72.5	26	81.0
Feb. 4	58.0	Nov. 3	68.5	Aug. 3	72.0	May 3	81.0
11	56.5	10	72.4	10	74.0	10	80.5
18	57.8	17	69.5	18	73.8	17	83.7
25	57.5	24	66.0	24	74.5	24	82.1
Mar. 3	57.7	Dec. 1	69.3	31	70.5	31	83.5
10	57.5	8	71.5	Sept. 7	70.0	June 7	81.7
17	58.0	15	72.5	14	73.4	14	85.3
24	56.5	22	70.5	21	73.0	21	82.3
31	57.5	29	63.2	28	72.5	28	82.5
Apr. 7	57.5	Jan. 5, 1957	68.1	Oct. 5	73.0	July 5	75.9
14	59.5	12	70.0	12	73.5	12	84.3
21	59.5	19	70.5	19	73.3	19	84.2
28	60.0	26	63.8	26	72.8	26	83.5
May 5	58.3	Feb. 2	70.5	Nov. 2	72.7	Aug. 2	84.5
12	60.3	9	71.5	9	74.3	9	83.9
19	60.5	16	70.5	17	74.5	16	84.0
26	62.3	23	69.9	23	71.5	23	83.5
June 2	62.5	Mar. 2	69.9	30	72.6	30	84.7
9	61.5	9	70.3	Dec. 7	73.5	Sept. 6	82.5
16	65.5	17	71.0	14	72.7	13	85.5
23	66.5	23	71.0	21	71.5	20	87.0
30	65.0	30	71.7	28	69.8	27	88.7
July 7	67.5	Apr. 6	71.5	Jan. 4, 1958	70.0	Oct. 4	90.5
14	68.8	13	68.0	11	76.0	11	89.3
21	68.8	20	70.0	18	78.5	18	92.5
28	67.3	27	73.2	25	73.7	25	93.5
Aug. 4	63.0	May 4	70.5	Feb. 1	78.5	Nov. 1	94.4
11	68.5	11	72.0	8	81.5	8	94.5
18	69.0	19	70.3	15	81.2	15	95.5
25	68.2	25	71.5	22	83.5	22	93.3
Sept. 1	67.5	June 1	70.5	Mar. 1	81.5	29	93.5
8	67.2	8	69.5	8	78.0	Dec. 6	93.5
15	68.5	15	71.5	15	78.5	13	94.0
22	70.0	22	71.8	22	80.7	20	94.0
29	68.5	29	69.5	29	81.0	27	84.9

Sussex County

90. Jeb S. White. Wakefield. Lat 36°58', long 76°59'. Drilled unused artesian well in sand and gravel of Potomac group, diam 3 in, depth 225 ft. Lsd 100.7 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 63.55 below lsd, Apr. 16, 1940; lowest 90.02 below lsd, June 12, 1956. Records available: 1938, 1940-58.

Jan. 5, 1956	78.76	Mar. 6, 1956	78.57	May 8, 1956	79.05	July 17, 1956	79.99
10	78.40	17	78.55	15	79.13	24	79.54
17	78.39	20	78.36	22	79.32	31	79.86
24	78.53	27	78.39	29	79.13	Aug. 6	79.33
31	78.66	Apr. 6	79.09	June 7	78.98	16	80.90
Feb. 7	78.09	10	78.76	12	90.02	21	79.66
15	78.90	17	78.53	18	79.63	28	79.25
21	78.26	25	79.17	July 2	81.11	Sept. 4	79.61
29	79.96	May 1	78.83	11	80.37	11	79.57

90--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 18, 1956	80.03	Apr. 15, 1957	79.91	Nov. 19, 1957	81.29	June 16, 1958	81.79
25	79.20	23	79.47	26	81.12	24	81.42
Oct. 3	79.05	29	79.47	Dec. 3	81.37	30	82.23
9	79.01	May 6	79.59	10	80.56	July 7	82.14
16	79.63	13	79.93	17	81.27	14	81.86
23	78.65	20	80.00	24	80.52	21	82.06
29	78.74	27	80.27	30	80.21	23	82.59
Nov. 6	79.42	June 4	80.12	Jan. 8, 1958	81.21	Aug. 5	82.24
13	79.06	10	79.65	13	81.09	12	82.36
20	79.37	17	80.67	20	81.10	25	82.56
26	79.45	22	80.59	27	80.69	Sept. 6	82.31
Dec. 3	79.04	July 1	80.71	Feb. 3	80.58	9	82.58
10	79.23	9	81.37	10	80.54	15	82.47
18	79.14	15	81.39	17	81.06	22	82.82
24	79.17	22	81.94	25	81.13	30	82.70
31	79.60	27	81.63	Mar. 3	81.02	Oct. 7	82.87
Jan. 7, 1957	79.37	Aug. 5	81.40	11	80.99	13	82.86
17	78.70	13	81.13	17	81.19	20	82.54
21	79.66	20	81.13	24	81.32	27	82.48
28	79.19	26	81.28	Apr. 1	81.46	Nov. 3	82.25
Feb. 4	79.22	Sept. 3	81.35	8	81.12	12	82.66
11	78.93	9	81.32	14	81.24	18	82.56
18	79.13	16	81.33	21	81.15	24	82.65
25	79.88	23	81.00	28	81.36	Dec. 1	83.55
Mar. 4	79.02	Oct. 7	80.89	May 5	81.47	2	82.75
11	79.28	14	81.06	12	80.98	9	83.02
18	79.35	21	81.04	19	81.90	16	82.66
25	79.12	29	80.73	27	81.61	23	82.54
Apr. 1	79.22	Nov. 4	81.28	June 2	81.73	29	82.74
8	80.13	12	80.96	10	81.69		

Reference

Cady, R. C., 1938, Ground-water resources of northern Virginia: Virginia Geol. Survey Bull. 50.

WEST VIRGINIA

By P. P. Bieber

The observation-well program was continued in 1956-58 in cooperation with the West Virginia Geological and Economic Survey. Figure 15 shows the location of wells included in this report.

Well-Numbering System

Observation wells in West Virginia are assigned numbers indicating their location by county and magisterial district. The counties have been numbered in a general southward direction. The magisterial districts within each county are numbered according to the same plan. Wells within the district are numbered serially. The number 9-6-27 indicates well 27 in district 6 of county 9.

Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum.

Barbour County

14-1-1. U. S. Dept. of the Army. Pleasant Creek Church. Lat $39^{\circ}14'23''$, long $80^{\circ}01'57''$. Drilled domestic water-table well in sandstone of Conemaugh formation, diam 6 in, depth 110 ft, cased to 6. Lsd about 1,160 ft above msl. MP northwest side of tile casing, at lsd. Highest water level 3.75 below lsd, Dec. 7, 1957; lowest 62.33 below lsd, Dec. 5, 1953. Records available: 1953-58.

	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan.	5, 1956	30.00	Aug. 5, 1956	49.50	Jan. 20, 1957	30.00	June 27, 1957	50.62
	12	30.50	9	30.25	24	36.00	30	46.50
	19	31.85	12	52.60	29	21.00	July 5	48.00
	25	33.15	16	47.25	31	32.25	12	51.00
Feb.	1	4.50	23	42.60	Feb. 4	30.75	18	52.50
	7	4.83	30	32.62	6	30.00	25	48.75
	15	19.50	Sept. 6	30.00	9	38.62	31	49.50
	22	27.00	13	31.87	10	11.62	Aug. 7	49.50
	29	33.00	20	42.25	14	34.87	15	48.00
Mar.	8	22.50	24	40.50	17	40.87	22	46.50
	15	18.75	28	45.00	21	42.00	27	42.00
	22	35.25	Oct. 4	42.37	28	42.37	31	39.37
	29	33.75	11	45.20	Mar. 1	29.62	Sept. 5	34.50
Apr.	5	34.65	19	45.99	7	40.87	12	34.12
	12	38.25	25	45.38	14	40.50	19	31.87
	19	42.00	31	45.00	18	45.37	26	33.37
	27	42.25	Nov. 8	45.34	23	43.12	30	34.50
May	3	42.75	15	45.00	28	45.37	Oct. 5	49.87
	10	42.00	22	46.12	31	46.87	10	32.62
	17	32.00	29	45.38	Apr. 4	39.75	17	36.25
	26	42.51	Dec. 6	47.62	11	42.00	25	28.50
	31	27.15	13	30.25	18	43.95	31	39.00
June	7	40.50	14	15.50	25	44.62	Nov. 6	49.59
	15	47.62	15	19.50	30	46.12	14	43.50
	21	40.50	18	47.00	May 8	48.00	21	3.50
	28	39.75	20	30.37	16	50.25	28	42.75
July	5	44.62	27	30.00	24	48.50	30	40.50
	13	40.50	31	39.45	31	49.92	Dec. 5	22.50
	19	43.50	Jan. 5, 1957	39.00	June 6	49.50	7	3.75
	26	49.50	10	25.50	13	49.25	9	21.00
Aug.	2	28.50	17	42.52	20	50.67	13	39.37

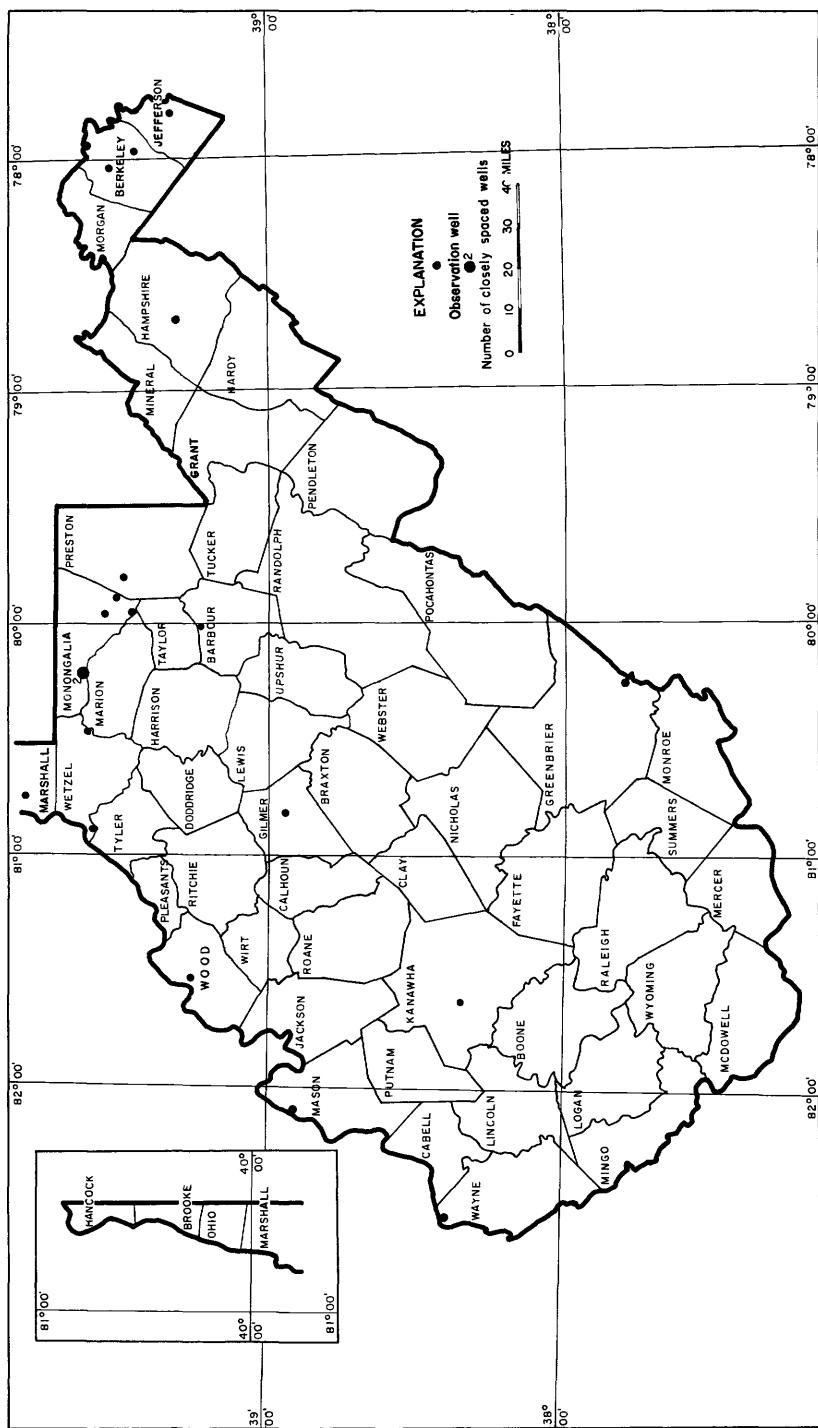


Figure 15 -- Location of observation wells in West Virginia, 1956-58.

14-1-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 20, 1957	42.00	Mar. 31, 1958	42.75	July 10, 1958	49.87	Sept. 25, 1958	40.50
27	12.00		43.12		41.25		45.00
31	39.00		45.75		30.75	Oct. 7	45.37
Jan. 7, 1958	42.75	10	50.00		6.00	16	46.50
	38.25	17	46.87		12.00	23	46.50
	27.38	25	36.00		31.77	30	44.25
	40.50	30	31.50		31.87	Nov. 6	46.87
	16.87	May 8	47.62		43.50	13	43.12
	39.37	15	46.50		19.50	20	45.37
Feb. 7	42.00	22	47.25		45.37	27	42.37
	18.37	29	46.87		45.00	30	43.85
	30.25	June 5	45.75		46.50	Dec. 8	42.75
	40.50	12	46.50		39.37	15	42.00
	42.37	19	45.00		37.50	22	42.00
	33.00	30	45.25		45.12	31	46.00
27	39.00						

Berkeley County

20-5-7. Interwoven Stocking Co. Martinsburg. Lat $39^{\circ}27'26''$, long $77^{\circ}58'25''$. Drilled unused water-table well in Beekmantown limestone, diam 8 in, depth 250 ft, cased to 10. Lsd 445 ft above msl. MP top edge of recorder-shelter base, 3.30 ft above lsd. Highest water level 29.85 below lsd, May 8, 1958; lowest 55.54 below lsd, Dec. 29, 1958. Records available: 1956-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.55	37.83
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.28	39.22
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.76	36.98
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.55	36.96
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36.42	.....
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	37.18	35.03
1957												
5	36.36	35.68	.....	35.71	34.65	36.92	38.07	.....	44.42	47.67	.....	52.50
10	36.35	32.63	32.92	32.24	.....	37.00	38.49	.....	44.98	47.30	.....	51.56
15	36.22	32.21	33.48	33.52	35.53	36.90	38.94	41.96	45.00	48.22	.....	52.64
20	36.51	.....	34.09	34.31	35.71	.....	39.33	42.60	45.80	48.43	51.33	53.16
25	36.92	34.15	34.81	33.90	36.37	37.70	.....	43.20	46.22	48.67	51.94	53.43
Eom	37.18	33.58	35.65	33.65	36.94	37.72	40.13	43.81	46.99	.....	52.29	50.95
1958												
5	51.99	48.10	44.91	35.32	33.23	34.95	.....	37.14	.....	.....	50.30	53.35
10	52.82	47.12	45.21	34.35	30.54	.....	38.04	41.34	46.00	51.58	53.97	.....
15	50.36	47.54	44.97	33.47	31.97	35.37	36.18	37.83	42.15	.....	52.65	54.70
20	50.19	48.00	44.81	33.58	33.05	35.68	36.56	38.97	42.63	48.23	53.11	55.15
25	49.10	48.14	39.43	32.75	33.85	34.27	36.47	39.03	42.90	48.68	53.92	55.40
Eom	47.72	46.26	35.40	32.62	34.61	35.67	37.53	39.84	43.03	49.81	53.37	55.49

20-6-11. C. H. Musselman Co. Inwood. Lat $39^{\circ}21'26''$, long $78^{\circ}02'41''$. Drilled unused water-table well in Beekmantown limestone, diam 8 in, depth 387 ft, cased to 20. Lsd about 585 ft above msl. MP top edge of recorder-shelter base, 4.40 ft above lsd. Highest water level 23.96 below lsd, Apr. 2, 1958; lowest 70.47 below lsd, Nov. 18, 1957. Records available: 1956-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30.65	44.80
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31.93	46.52
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32.72	42.19
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33.62	38.48
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33.15
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33.18
1957												
5	35.10	32.35	38.74	31.45	.....	42.15	44.61	49.67	.....	68.62	62.70	64.45
10	36.40	.....	36.35	.....	36.96	42.34	44.96	50.34	51.14	49.83	.....	.....
15	35.80	35.16	.....	.....	38.93	42.37	47.82	52.00	.....	57.85	.....	64.38
20	37.28	36.65	29.23	.....	40.91	42.70	48.08	53.61	46.47	.....	.....	65.57
25	36.91	38.49	31.10	31.04	41.36	42.93	48.36	54.84	.....	52.13	.....	62.97
Eom	36.85	38.93	33.17	32.55	41.83	43.18	47.83	49.35	68.28	65.60	68.50	50.73

20-6-11--Continued.

1958

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	55.73	44.21	40.82	25.69	35.43	40.65	47.97	.....	.....	.....	.....	.....
10	45.86	43.26	42.07	27.36	29.73	41.41	43.47	.....	.....	.....	.....	.....
15	.....	45.04	.....	28.18	31.97	41.53	43.47	.....	.....	.....	.....	.....
20	47.95	.....	.....	30.60	34.67	.....	44.05	.....	.....	.....	.....	.....
25	44.31	48.12	32.46	32.11	37.60	40.50	43.63	.....	.....	.....	.....	.....
Eom	43.01	42.90	24.60	32.92	39.76	42.08	43.75	.....	.....	.....	.....	.....

Gilmer County

33-3-1. Glenville State College. Glenville. Lat $38^{\circ}56'04''$, long $80^{\circ}49'59''$. Dug unused water-table well in upper part of Conemaugh formation, diam 36 in, depth 25 ft. Lsd about 820 ft above msl. MP top of concrete cover, at lsd. Highest water level 13.58 below lsd, Jan. 26, 1958; lowest 18.75 below lsd, Nov. 30, 1953. Records available: 1953-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1956	18.34	Sept. 30, 1956	17.56	June 30, 1957	17.93	Mar. 30, 1958	15.60
8	18.43	Oct. 7	17.67	July 7	17.96	Apr. 6	15.86
15	18.49		14	17.83	14	17.88	13
22	18.37		21	17.99	21	17.85	20
29	18.19		28	18.14	28	17.93	27
Feb. 5	16.22	Nov. 4	18.15	Aug. 4	17.98	May 4	15.33
12	15.67		11	18.28	11	18.14	11
19	14.42		18	18.34	18	18.32	18
26	15.78		25	18.40	25	18.40	25
Mar. 4	16.59	Dec. 2	18.43	Sept. 1	18.52	June 1	16.66
11	15.36		9	18.47	8	18.62	8
18	14.80		16	17.51	15	18.60	15
25	15.64		23	17.29	22	18.34	22
Apr. 1	15.16		30	16.56	29	18.20	29
8	15.49	Jan. 6, 1957	16.82	Oct. 6	18.18	July 6	17.27
15	15.86		13	16.39	13	18.08	13
22	16.39		20	16.83	20	18.05	20
29	16.60		27	16.21	27	17.79	27
May 6	17.08	Feb. 3	14.70	Nov. 3	17.78	Aug. 3	15.74
13	17.30		10	15.39	10	17.67	10
20	17.47		17	15.54	17	17.60	17
27	17.50		24	16.39	24	17.55	24
June 3	17.24	Mar. 3	15.49	Dec. 1	17.54	31	16.78
10	17.00		10	15.53	8	17.51	Sept. 6
17	17.24		17	16.12	15	16.70	13
24	17.46		24	16.61	22	16.46	20
July 1	17.44		31	17.00	29	15.60	27
8	17.50	Apr. 7	16.75	Jan. 5, 1958	16.30	Oct. 4	17.78
15	17.61		14	16.35	12	17.03	11
22	17.68		21	16.67	19	16.34	18
29	17.49		28	16.87	26	13.58	25
Aug. 5	17.34	May 5	17.05	Feb. 2	14.82	Nov. ?	18.22
12	17.38		12	17.36	9	14.68	9
19	17.43		19	17.49	16	15.90	16
26	17.32		26	17.60	23	16.77	23
Sept. 2	17.52	June 2	17.74	Mar. 2	16.10	30	18.12
9	17.69		9	17.72	9	16.60	Dec. 7
16	17.72		16	17.75	16	15.96	14
23	17.64		23	17.79	23	16.10	28

Greenbrier County

45-8-2. U. S. Fish and Wildlife Service. Fish Culture Sta. White Sulphur Springs. Lat $37^{\circ}48'04''$, long $80^{\circ}17'40''$. Drilled unused water-table well in Marcellus shale and Hamilton formation, diam 6 in, depth 61 ft. Lsd 1,875 ft above msl. MP top of casing, 0.90 ft above lsd. Highest water level 2.80 below lsd, Mar. 16, 1955; lowest 5.18 below lsd, Oct. 19, 1955. Records available: 1953-58.

GROUND-WATER LEVELS, 1956-58, SOUTHEASTERN STATES

45-8-2--Continued.

	Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan.	4, 1956	4.99	Sept. 19, 1956	4.99	Aug. 10, 1957	4.97	Apr. 26, 1958	4.35
11		4.99	26	5.02	17	4.87	May 3	4.35
18		4.83	Oct. 3	4.95	24	4.89	10	4.31
25		4.76	10	5.02	31	4.95	17	4.47
Feb.	1	4.49	17	4.97	Sept. 7	4.99	24	4.10
8		4.37	24	4.81	14	5.10	31	4.27
15		4.52	31	4.25	21	4.60	June 7	4.50
22		4.47	Nov. 7	3.89	28	4.80	14	4.29
29		4.49	14	4.77	Oct. 5	4.70	21	4.57
Mar.	7	4.47	21	4.81	12	4.81	28	4.89
14		4.31	28	4.66	19	4.79	July 5	5.06
21		4.47	Dec. 5	4.81	26	4.47	12	4.85
28		4.49	12	4.81	Nov. 2	4.76	19	4.91
Apr.	4	4.41	19	4.58	9	4.52	26	4.85
11		4.39	26	4.35	16	4.47	Aug. 2	4.76
18		4.49	Jan. 2, 1957	4.62	23	4.43	9	4.68
25		4.66	9	4.47	30	4.43	16	4.35
May	2	4.85	16	4.62	Dec. 7	4.31	23	4.93
9		4.70	23	4.06	14	4.43	30	4.89
16		4.66	30	4.02	21	4.43	Sept. 6	5.02
23		3.95	Feb. 6	4.22	28	4.20	13	5.06
30		3.58	13	4.45	Jan. 4, 1958	4.60	20	5.04
June	7	3.85	20	4.29	11	4.60	27	5.02
14		4.68	27	4.43	18	4.39	Oct. 4	5.02
20		4.68	Mar. 6	4.56	25	4.22	11	5.06
28		4.79	13	4.62	Feb. 2	4.20	18	5.06
July	4	4.60	20	4.68	8	4.02	25	5.02
11		4.72	27	4.62	15	4.47	Nov. 1	5.02
18		4.70	Apr. 3	4.47	22	4.56	8	4.93
25		4.77	10	4.43	Mar. 1	4.22	15	5.08
Aug.	1	4.70	17	4.64	8	4.43	22	4.97
8		4.93	24	4.68	15	4.33	29	4.64
15		5.02	July 6	4.93	22	4.35	Dec. 6	4.77
22		4.83	13	4.91	29	3.97	13	4.93
29		4.89	20	5.06	Apr. 5	4.39	20	5.04
Sept.	5	4.89	27	4.97	12	4.39	27	5.02
12		5.02	Aug. 3	4.85	19	4.52		

Hampshire County

23-2-1. State Road Commission District 5. Lat 39°18'49", long 78°41'28". Drilled roadside-park water-table well in sandstone and shale of Catskill formation, diam 6 in, depth 51 ft. Lsd about 1,150 ft above msl. MP edge of hole in pump base, at lsd. Highest water level 4.16 below lsd, Feb. 11, 1957; lowest 14.53 below lsd, Sept. 3, 1957. Records available: 1955-58.

Sept.	15, 1955	9.80	Mar. 12, 1956	6.72	Aug. 27, 1956	10.53	Feb. 25, 1957	8.09
23		8.90	19	5.24	Sept. 4	10.16	Mar. 4	5.56
30		9.90	26	5.19	17	11.06	11	5.39
Oct.	7	11.80	Apr. 2	6.72	24	9.68	19	7.53
14		9.90	9	4.57	Oct. 1	9.59	25	8.06
21		10.80	16	7.23	8	10.38	Apr. 1	7.90
28		10.00	23	8.69	15	10.27	8	4.23
Nov.	4	10.30	30	11.14	22	9.69	15	6.39
10		9.70	May 7	8.62	29	9.58	23	8.58
18		9.70	14	10.09	Nov. 5	9.43	29	9.78
25		9.90	21	9.23	13	9.60	May 6	9.55
Dec.	2	9.80	28	7.77	19	9.58	14	9.36
9		9.80	June 4	7.51	26	9.55	20	7.89
16		9.76	11	9.90	Dec. 3	10.06	28	9.52
23		9.70	18	9.32	10	9.62	June 4	9.51
30		9.82	25	8.89	17	8.82	13	9.52
Jan.	6, 1956	9.82	July 2	9.51	26	6.32	21	9.02
20		9.77	9	9.44	Jan. 7, 1957	9.32	24	9.54
27		9.86	16	11.48	18	8.31	July 2	9.35
Feb.	3	5.43	23	9.63	22	8.90	Aug. 9	11.82
10		6.14	27	9.76	28	8.58	16	11.91
17		6.50	Aug. 6	9.12	Feb. 4	5.08	26	12.93
24		6.76	13	11.66	11	4.16	Sept. 3	14.53
Mar.	2	7.75	20	9.72	18	6.26	9	11.59

23-2-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 16, 1957	10.14	Jan. 13, 1958	9.63	May 13, 1958	4.94	Sept. 11, 1958	10.73
23	9.76	20	8.87	19	8.20	15	10.21
30	10.93	29	8.15	26	9.51	23	10.21
Oct. 7	7.75	Feb. 7	5.73	June 2	9.82	29	10.19
17	9.90	13	6.92	11	11.90	Oct. 6	10.42
24	9.52	21	9.95	16	10.32	14	10.35
31	9.90	25	5.32	24	9.69	20	10.28
Nov. 4	10.52	Mar. 3	4.83	July 1	11.63	31	11.60
12	10.71	10	7.16	7	12.41	Nov. 7	10.15
18	9.56	17	8.90	14	10.84	12	10.15
26	9.59	24	4.37	21	10.46	17	10.36
Dec. 2	9.73	31	4.77	28	9.32	24	10.56
10	7.93	Apr. 7	4.85	Aug. 6	8.13	Dec. 1	10.61
17	9.66	14	6.93	11	9.95	8	10.03
23	9.71	21	8.21	19	11.19	15	9.83
30	7.16	29	4.71	25	11.75	23	9.59
Jan. 6, 1958	8.32	May 6	4.52	Sept. 2	10.34		

Jefferson County

21-4-13. Valley Board Corp. Halltown. Lat $39^{\circ}18'02''$, long $77^{\circ}48'03''$. Drilled unused water-table well in Waynesboro formation, diam 6 in, depth 48 ft. Lsd about 525 ft above msl. MP top edge of recorder-shelter base, 4.50 ft above lsd. Highest water level 16.64 below lsd, Mar. 30, 1958; lowest 27.55 below lsd, Dec. 7, 1957. Records available: 1956-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	23.00	24.08
10	24.95	22.95	24.31
15	23.15	24.31
20	25.28	23.41	23.77
25	23.66	22.88
Eom	23.88	.....

1957												
5	22.43	.....	.....	.....	.....	.....	.....	26.29	26.89	27.06	27.34	27.54
10	22.85	.....	.....	.....	.....	.....	.....	26.39	26.94	27.10	27.41	27.29
15	22.98	.....	.....	.....	22.07	.....	.....	26.50	26.94	27.13	27.41	27.21
20	23.04	20.09	.....	.....	22.25	.....	.....	26.65	26.91	27.17	27.34	27.26
25	23.15	.....	.....	.....	22.41	.....	.....	26.73	26.97	27.21	27.41	27.12
Eom	23.17	.....	.....	.....	.....	.....	.....	26.82	27.02	27.29	27.47	26.12

1958												
5	26.16	.....	.....	17.38	20.59	.....	22.85	22.33	.....	23.50	26.33	.....
10	26.31	.....	21.35	17.80	19.40	21.46	23.04	22.78	22.98	23.58	26.37	26.64
15	25.72	.....	21.88	18.34	....	21.46	21.82	23.03	23.22	....	26.47	26.67
20	24.76	.....	.....	19.04	20.34	....	21.80	23.20	23.35	23.63	26.58	26.68
25	23.50	22.76	19.70	20.05	20.68	22.40	....	23.44	23.43	26.20	26.64	26.72
Eom	.....	20.70	16.65	20.25	20.99	22.64	22.14	22.73	23.40	26.29	26.66	26.74

Kanawha County

40-5-14. Coyle & Richardson Department Store. Dickinson and Lee Sts., Charleston. Lat $38^{\circ}20'53''$, long $81^{\circ}37'53''$. Drilled unused artesian well in Pottsville group, diam 8 in, depth 208 ft, cased to 42. Lsd about 575 ft above msl. MP top edge of casing, 12.00 ft below lsd. Highest water level 28.82 below lsd, Apr. 15, 1951; lowest 43.44 below lsd, Sept. 6, 1945. Records available: 1941-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	31.44	30.91	30.76	....	30.79	31.38	33.68	33.10	34.22	32.81	32.12	31.54
10	31.35	30.77	30.55	....	....	32.67	33.56	34.24	32.74	32.20	32.05	31.60
15	31.36	30.96	....	....	31.56	33.10	33.37	33.62	33.67	32.36	31.98	31.37
20	31.44	30.44	....	....	31.48	....	33.34	33.62	32.58	32.55	31.67	31.51
25	31.36	30.85	....	30.60	31.80	....	32.83	33.18	32.81	32.57	31.44	31.20
Eom	31.38	30.85	....	30.88	31.96	....	....	34.07	32.10	32.39	31.46	31.16

40-5-14--Continued.

1957													
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
5	31.15	.....	.....	29.75	30.05	31.38	32.11	32.65	.....	.....	31.90	31.15
10	30.97	.....	.....	29.06	30.38	31.49	32.18	32.88	.....	.....	31.93	30.68
15	30.75	.....	.....	29.34	30.95	32.07	32.34	32.96	.....	32.38	31.95	31.05
20	31.02	29.81	30.25	30.75	32.02	32.53	32.83	32.12	31.75	30.95
25	30.23	29.70	30.62	31.06	32.03	32.48	33.01	32.02	31.62	31.02
Eom	30.49	29.85	30.32	31.20	32.01	32.66	33.42	31.90	31.17	30.68

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	30.93	30.54	.....	.....	.....	31.02	32.22	32.22	33.14	33.07	31.68	31.19
10	30.82	30.09	.....	.....	.....	31.10	32.50	32.28	33.18	33.13	31.90	31.32
15	30.75	30.35	.....	.....	.....	31.55	32.68	32.56	33.41	32.45	31.15	.....
20	30.71	30.57	.....	.....	30.12	30.95	32.50	32.38	33.66	32.19	31.07	.....
25	30.33	.....	.....	.....	30.57	30.76	32.26	32.36	33.07	32.18	31.06	.....
Eom	30.53	.....	.....	.....	30.52	31.28	32.75	32.50	33.76	32.00	30.14	.....

Marshall County

4-3-8. Triangle Conduit & Cable Co. U. S. Highway 250, Glendale. Lat $39^{\circ}56'06''$, long $80^{\circ}45'20''$. Drilled unused water-table well in gravel, diam 10 in, depth 100 ft. Lsd 650 ft above msl. MP top edge of recorder-shelter base, 4.00 ft below lsd. Highest water level 54.27 below lsd, Jan. 30, 1952; lowest 73.80 below lsd, Nov. 8, 1957. Records available: 1950-58.

Lowest water level for the day, from recorder graph, 1956												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	69.97	69.25	64.66	61.04	61.50	60.89	.....	.....	.....	.....	.....	.....
10	70.09	68.13	63.27	60.17	61.60	61.19	.....	.....	.....	.....	.....	.....
15	70.22	67.00	59.98	59.89	61.00	62.52	.....	.....	.....	.....	.....	.....
20	70.39	66.65	60.57	60.66	60.23	.....	.....	.....	.....	.....	.....	.....
25	70.46	66.08	.....	61.09	.....	.....	.....	.....	.....	.....	.....	.....
Eom	70.42	65.17	61.42	61.34	61.01	.....	.....	.....	.....	.....	.....	.....

1957												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	65.64	66.81	64.05	67.00	68.25	70.64	72.34	73.09	73.57	.....
10	65.08	65.05	67.31	68.41	71.13	72.59	73.31	73.39	72.72
15	66.18	63.95	65.62	67.80	68.73	71.21	71.69	73.22	73.78	72.09
20	66.30	64.02	65.97	68.27	69.48	71.22	72.78	73.27	73.72	72.46
25	65.77	66.74	64.25	66.29	68.36	69.70	71.38	72.78	73.60	73.40	71.23
Eom	65.95	66.90	63.86	66.54	68.26	70.32	71.93	72.79	73.42	73.07	69.76

1958												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	69.49	71.20	70.42	68.93	.....	66.66	67.58	67.20	.....	70.67	71.94	72.05
10	70.50	70.87	69.85	68.54	65.05	66.86	68.20	67.18	69.85	71.17	72.03	71.74
15	70.57	71.03	70.04	67.93	63.99	66.99	68.53	67.96	70.06	71.18	72.14	71.83
20	70.78	71.40	70.34	67.93	64.96	67.28	67.87	68.50	70.53	71.20	72.10	71.96
25	71.05	71.91	70.27	68.53	65.45	67.62	67.89	68.66	70.63	71.39	71.93	72.15
Eom	70.99	71.71	69.35	68.47	66.03	67.89	68.05	69.09	70.83	71.61	71.74	72.26

Mason County

38-3-53. West Virginia Univ., Ohio Valley Agr. Expt. Sta. Near Point Pleasant. Lat $38^{\circ}54'50''$, long $82^{\circ}06'50''$. Drilled irrigation water-table well in alluvial sand and gravel, diam 12 in, depth 73 ft, screened 61-73. Lsd about 600 ft above msl. MP edge east side of pump housing above hole, 1.40 ft above lsd. Highest water level 37.39 below lsd, Oct. 3, 10, 17, 1958; lowest 39.96 below lsd, May 28, 1958. Records available: 1958.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 28, 1958	39.96	Aug. 9, 1958	38.53	Sept. 11, 1958	37.66	Oct. 31, 1958	37.49
June 6	39.66	15	38.25	12	37.59	Nov. 7	37.59
13	39.48	22	38.02	19	37.48	14	37.65
20	39.30	29	37.80	26	37.42	21	37.72
27	39.18	Sept. 5	37.65	Oct. 3	37.39	28	37.77
July 11	38.99	8	37.61	10	37.39	Dec. 12	37.93
18	38.94	9	38.66	17	37.39	19	37.96
25	38.88	10	38.19	24	37.42	26	38.08
Aug. 1	38.76						

Monongalia County

9-2-2. Earl Miller. Blacksville. Lat $39^{\circ}43'17''$, long $80^{\circ}12'26''$. Drilled unused water-table well in shale and sandy beds of lower part of Dunkard group, diam 6 in, depth 43 ft, cased to 25. Lsd about 950 ft above msl. MP top of board cover, at lsd. Highest water level 10.98 below lsd, July 1, 1953; lowest 18.14 below lsd, Aug. 23, 1954. Records available: 1952-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	16.89	Aug. 15, 1956	14.05	Apr. 3, 1957	14.62	May 21, 1958	14.14
20	17.05	22	14.02	10	14.39	28	14.25
24	16.43	29	14.38	17	14.38	June 11	14.33
Feb. 1	14.00	Sept. 5	15.40	24	15.12	18	14.33
7	12.10	13	15.17	May 8	15.95	25	14.04
14	13.89	19	14.77	15	15.22	July 2	13.91
28	13.90	26	14.70	29	14.75	16	12.52
Mar. 6	15.15	Oct. 3	15.90	June 5	15.46	23	12.97
13	14.93	10	16.83	12	16.10	31	12.99
23	14.11	24	16.89	19	15.65	Aug. 6	12.74
30	13.77	31	16.73	26	15.88	13	13.31
Apr. 3	14.25	Nov. 15	16.06	July 3	16.28	20	13.40
10	14.11	28	16.75	17	17.16	27	13.39
20	15.20	Dec. 5	15.93	24	17.53	Sept. 3	13.65
May 1	15.30	12	14.13	Aug. 21	17.73	10	13.04
8	14.56	18	13.82	29	17.79	Oct. 8	12.99
18	15.08	26	13.89	Sept. 4	17.56	15	13.30
29	12.67	Jan. 25, 1957	14.35	11	17.90	22	13.28
June 5	14.06	Feb. 6	13.90	18	17.80	29	13.33
12	15.94	13	12.76	25	17.24	Nov. 5	13.38
19	16.25	22	15.02	Oct. 2	17.00	12	13.63
26	14.17	27	13.78	9	16.44	19	13.38
July 18	16.12	Mar. 5	14.57	16	17.43	Dec. 2	15.49
25	14.81	13	13.53	22	17.39	10	14.27
Aug. 1	14.10	20	15.11	30	16.96	17	14.18
8	13.18	27	14.30				

9-2-2a. Earl Miller. Blacksville. Lat $39^{\circ}43'17''$, long $80^{\circ}12'26''$. Dug unused water-table well in shale and sandy beds of lower part of Dunkard group, diam 36 in, depth 16 ft. Lsd about 950 ft above msl. MP top of board cover, at lsd. Highest water level 4.79 below lsd, Feb. 28, 1956; lowest 17.11 below lsd, July 1, 1953. Records available: 1941, 1943-45, 1951-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	9.89	Aug. 8, 1956	5.58	Mar. 27, 1957	8.94	May 21, 1958	8.33
20	8.58	15	7.60	Apr. 3	5.60	28	9.17
24	7.98	22	5.60	10	5.60	June 11	10.36
Feb. 1	5.79	29	7.60	17	7.07	18	10.28
7	5.46	Sept. 5	8.54	24	8.24	25	8.45
14	5.59	13	6.02	May 8	9.15	July 2	8.06
28	4.79	19	6.95	15	9.72	16	7.30
Mar. 6	6.63	26	7.81	29	7.65	23	7.00
13	5.60	Oct. 3	8.82	June 5	8.89	31	7.73
23	5.60	10	8.80	12	9.55	Aug. 6	7.02
30	5.51	24	10.20	19	10.11	13	8.07
Apr. 3	5.55	Nov. 15	11.55	26	10.70	20	8.97
10	5.51	28	11.95	July 3	9.36	27	9.35
20	5.61	Dec. 5	12.10	24	8.67	Sept. 3	10.00
May 1	5.62	12	8.89	Aug. 24	10.69	10	8.58
8	5.63	18	6.92	29	11.30	Oct. 8	8.74
18	5.59	26	5.54	Sept. 4	11.56	15	9.52
29	5.53	Jan. 25, 1957	5.98	11	11.92	22	10.18
June 5	5.59	Feb. 6	6.92	18	10.03	29	10.20
12	7.86	13	5.85	25	9.82	Nov. 5	10.49
19	5.58	22	8.57	Oct. 2	10.69	12	10.61
26	5.58	27	8.43	9	10.27	19	10.62
July 18	8.44	Mar. 5	7.28	16	11.03	Dec. 2	7.14
25	7.57	13	7.58	22	10.76	10	7.60
Aug. 1	6.49	20	8.50	30	8.49	17	6.52

9-6-27. T. J. Johnson. Morgantown. Lat $39^{\circ}37'37''$, long $79^{\circ}57'29''$. Drilled unused artesian well in sandstone of Pottsville group, diam 10 in, depth 875 ft, cased to 425. Lsd about 840 ft above msl. MP upper edge of T-fitting in air line, 2.25 ft below lsd. Highest water level 81.16 below lsd, July 13, 1956; lowest 166.41 below lsd, Sept. 10, 1945. Records available: 1941-58.

9-6-27--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1956	86.02	Nov. 1, 1956	85.05	July 31, 1957	83.52	May 31, 1958	83.64
Feb. 3	86.03	29	81.53	Sept. 2	83.47	June 30	83.38
Mar. 8	85.82	Jan. 5, 1957	84.26	Oct. 2	85.19	July 31	82.20
Apr. 10	85.35	Feb. 1	84.49	Nov. 2	85.05	Sept. 1	81.69
May 2	83.41	Mar. 2	83.32	Dec. 2	84.87	30	83.05
June 6	81.97	Apr. 1	85.04	Mar. 3, 1958	83.41	Oct. 30	84.41
July 13	81.16	May 3	83.82	Apr. 2	83.86	Dec. 9	83.37
Oct. 9	84.52	July 3	82.80	May 19	83.58	30	83.41

9-6-45. Deckers Creek Sand Co. Greer. Lat 39°34'11", long 79°50'23". Drilled unused artesian well in Pocono sandstone, diam 8 in, depth 105 ft, cased to 48. Lsd about 1,460 ft above msl. MP top southwest edge of casing, at lsd. Highest water level 8.90 below lsd, Jan. 28, 1952; lowest 32.67 below lsd, Sept. 16, 1946. Records available: 1941-58.

Jan. 4, 1956	10.70	Nov. 28, 1956	10.33	Sept. 2, 1957	13.26	May 31, 1958	10.49
Feb. 1	9.90	Jan. 5, 1957	10.08	Oct. 2	12.45	June 30	11.20
Mar. 8	8.99	Feb. 1	9.84	Nov. 2	11.48	July 31	10.11
Apr. 9	9.49	Mar. 2	9.85	Dec. 2	10.90	Sept. 1	10.54
May 2	10.08	Apr. 1	10.42	Jan. 2, 1958	9.66	30	10.42
June 6	9.83	May 3	10.64	Feb. 3	10.35	Oct. 30	10.24
July 13	10.39	28	10.75	Mar. 3	9.87	Dec. 9	9.82
Oct. 9	10.48	July 3	10.87	Apr. 3	10.04	30	9.88
Nov. 1	10.66	31	11.79	30	9.52		

9-7-33. Paul H. Price. Halleck. Lat 39°29'23", long 79°57'18". Drilled unused water-table well in Buffalo and Mahoning sandstone members of Conemaugh formation, diam 6 in, depth 141 ft, cased to 21. Lsd about 1,850 ft above msl. MP south edge of nipple at top of casing, 0.85 ft above lsd. Highest water level 48.33 below lsd, Dec. 30, 1958; lowest 65.37 below lsd, Feb. 3, 1954. Records available: 1953-58.

Jan. 4, 1956	52.49	Apr. 9, 1956	52.19	May 3, 1957	50.72	Apr. 30, 1958	49.66
Feb. 3	53.25	May 2	52.29	Sept. 2	61.03	July 31	50.36
Mar. 8	52.87	June 6	51.14	Feb. 3, 1958	51.35	Dec. 30	48.33

Preston County

11-3-8. G. E. Lemmons. East Depot St., Masontown. Lat 39°33'06", long 79°47'43". Drilled domestic artesian well in sandstone of Pottsville group, diam 8 in, depth 785 ft. Lsd about 1,770 ft above msl. MP top north edge of casing, 3.00 ft below lsd. Highest water level 7.70 below lsd, Mar. 14, 1947; lowest 104.56 below lsd, Oct. 30, 1958. Records available: 1942-58.

Jan. 4, 1956	20.31	Nov. 1, 1956	24.45	July 31, 1957	25.48	Apr. 30, 1958	61.93
Feb. 1	15.26	29	23.94	Sept. 2	26.23	May 31	96.82
Mar. 8	15.00	Jan. 5, 1957	19.42	Oct. 2	25.37	June 30	102.08
Apr. 9	14.70	Feb. 1	14.35	Nov. 2	20.36	July 31	102.56
May 2	20.54	Mar. 2	18.86	Dec. 2	23.39	Sept. 1	103.64
June 6	14.34	Apr. 1	18.54	Jan. 2, 1958	22.77	30	103.60
July 13	21.95	May 3	21.73	Feb. 3	26.86	Oct. 30	104.56
Aug. 7	12.75	28	23.28	Mar. 3	67.00	Dec. 9	76.18
Oct. 9	22.00	July 3	24.78	Apr. 3	81.06	30	95.61

Wayne County

50-1-5. Ashland Oil & Refining Corp. Kenova. Lat 38°24'24", long 82°35'27". Drilled unused water-table well in gravel, diam 6 in, depth 73 ft, cased to 45 (?). Lsd about 548 ft above msl. MP edge of casing, 4.90 ft above lsd. Highest water level 19.38 below lsd, Oct. 30, 1956; lowest 43.14 below lsd, Dec. 11, 18, 1953. Records available: 1942-46, 1948-58.

Jan. 6, 1956	42.35	Apr. 6, 1956	28.60	July 6, 1956	22.97	Oct. 12, 1956	21.67
13	42.58	13	26.52	13	22.10	19	21.17
20	41.60	20	26.18	20	21.72	30	19.38
30	41.58	27	26.91	30	21.29	Nov. 9	38.39
Feb. 3	40.85	May 4	27.93	Aug. 10	25.77	16	38.60
10	39.68	11	28.85	17	25.56	23	38.85
17	39.18	18	29.27	24	25.66	30	39.04
24	39.02	25	29.93	31	28.27	Dec. 7	39.52
29	38.47	31	30.35	Sept. 7	30.43	14	39.77
Mar. 9	35.27	June 8	32.35	14	32.35	21	39.97
16	34.06	15	30.27	21	34.43	31	39.37
23	33.14	22	27.08	28	35.52	Jan. 4, 1957	39.10
30	31.60	29	27.14	Oct. 5	23.60	11	38.93

WEST VIRGINIA, WETZEL COUNTY

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50-1-5--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1957	38.60	Sept. 13, 1957	40.27	Feb. 14, 1958	39.14	July 31, 1958	36.79
25	38.49	20	40.41	21	40.06	Aug. 8	36.35
30	38.24	28	40.58	28	39.12	15	36.10
Apr. 12	35.43	Oct. 4	40.68	Mar. 7	39.10	22	35.85
19	34.60	11	40.89	14	39.02	29	35.87
29	33.91	18	40.98	21	38.85	Sept. 5	36.06
May 10	34.10	25	41.06	31	38.70	12	36.27
17	34.60	31	41.22	Apr. 7	38.27	19	36.60
24	35.27	Nov. 8	41.33	14	37.60	30	37.89
31	35.77	15	41.43	21	37.10	Oct. 3	38.10
June 7	36.72	22	41.54	30	36.70	10	38.35
14	37.27	29	41.56	May 9	33.43	17	38.68
21	37.41	Dec. 6	41.52	16	32.91	24	39.02
28	37.62	13	41.27	23	32.56	31	39.20
July 5	38.02	20	40.21	29	32.97	Nov. 7	39.43
12	38.12	27	41.02	June 6	33.35	14	39.64
19	38.64	31	40.62	13	34.02	21	39.85
31	38.93	Jan. 10, 1958	40.27	20	35.66	28	40.04
Aug. 9	39.14	17	40.02	27	35.95	Dec. 5	40.10
16	39.35	24	39.77	July 4	36.47	12	40.18
23	39.60	31	39.66	11	36.91	19	40.30
31	39.93	Feb. 7	39.35	18	36.85	31	40.55
Sept. 6	40.10						

Wetzel County

6-4-3. State Road Commission District 6. Burton. Lat 39°39'53", long 80°25'52". Drilled roadside-park water-table well in sandstone of lower part of Dunkard group, diam 10 in, depth 116 ft, cased to 80. Lsd about 1,068 ft above msl. MP hole in pump base, 0.80 ft above lsd. Highest water level 5.14 below lsd, July 16, 1958; lowest 13.48 below lsd, July 13, 1955. Records available: 1953-58.

Jan. 4, 1958	8.79	Oct. 31, 1956	8.13	Aug. 21, 1957	9.39	May 6, 1958	6.14
19	8.89	Nov. 15	7.79	29	9.05	13	6.57
26	8.60	28	7.71	Sept. 4	10.28	21	6.58
Feb. 4	6.60	Dec. 5	7.74	11	10.38	28	6.86
7	6.45	12	6.70	18	8.89	June 11	7.26
14	6.79	26	6.12	25	8.60	18	6.99
26	6.07	Jan. 25, 1957	7.48	Oct. 2	8.97	25	6.89
Mar. 6	6.98	Feb. 6	6.21	9	8.82	July 2	6.90
23	6.45	13	5.94	16	9.07	10	8.59
Apr. 3	7.20	22	7.04	22	9.38	16	5.14
10	6.65	27	6.72	30	8.95	23	5.43
20	7.44	Mar. 5	7.85	Nov. 13	8.25	Aug. 2	5.94
May 1	7.50	13	6.38	21	7.46	6	6.53
8	6.70	20	6.74	Dec. 3	8.12	13	6.29
18	7.15	27	7.06	17	7.32	20	6.78
29	5.78	Apr. 3	6.27	24	6.45	27	7.43
June 5	6.04	10	5.85	Jan. 7, 1958	7.07	Sept. 3	7.31
12	9.64	17	6.66	14	7.23	10	7.98
19	6.39	24	6.53	20	7.12	17	7.94
26	6.18	May 8	7.37	28	6.51	24	7.58
July 18	7.37	15	7.39	Feb. 5	6.97	Oct. 1	7.41
25	6.43	29	6.99	11	6.81	8	7.71
Aug. 1	6.18	June 5	7.16	19	7.47	15	7.79
8	5.59	12	7.13	25	7.26	22	8.41
22	6.39	19	7.36	Mar. 4	6.80	29	8.46
29	6.88	26	7.70	11	7.46	Nov. 5	8.42
Sept. 5	7.33	July 3	7.70	18	7.62	12	8.39
13	7.37	17	8.28	25	7.15	19	8.30
19	6.71	24	8.29	Apr. 2	7.33	Dec. 2	7.99
26	6.59	31	8.39	9	7.14	13	7.86
Oct. 3	7.01	Aug. 7	8.68	21	7.14	17	8.04
10	7.09	14	8.77	30	5.96	24	8.23
24	7.39						

6-5-83. State Road Commission District 6. New Martinsville. Lat $39^{\circ}36'57''$, long $80^{\circ}52'49''$. Drilled roadside-park water-table well in lower part of Dunkard group, diam 6 in, depth 98 ft. Lsd 660 ft above msl. MP hole in pump base, 1.00 ft above lsd. Highest water level 30.34 below lsd, Mar. 28, 1956; lowest 51.03 below lsd, Aug. 3, 1957. Records available: 1955-58.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 8, 1955	38.15	June 1, 1956	33.70	Mar. 13, 1957	35.99	Oct. 27, 1957	37.47
Nov. 5	36.88	30	38.70	Apr. 13	34.73	Dec. 7	36.84
Dec. 3	36.25	Sept. 29	36.94	May 11	42.26	Jan. 5, 1958	35.06
Jan. 5, 1956	36.55	Oct. 27	35.66	July 6	43.71	Feb. 9	35.35
31	37.03	Nov. 17	36.42	Aug. 3	51.03	Mar. 8	37.60
Mar. 3	32.20	Dec. 15	35.24	31	49.49	29	38.29
28	30.34	Jan. 12, 1957	34.54	Sept. 29	40.28	June 30	39.08
Apr. 28	38.09	Feb. 9	34.32				

Wood County

27-3-22. City of Parkersburg. Lat $39^{\circ}17'12''$, long $81^{\circ}33'32''$. Drilled unused water-table well in gravel, diam 5 in, depth 55 ft, cased to 55. Lsd about 601 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 21.06 below lsd, June 1, 1956; lowest 37.75 below lsd, Feb. 12, 1948. Records available: 1943-44, 1946-58.

Lowest water level for the day, from recorder graph, 1956

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	34.65	.....	.....	.....	.....	26.90	28.14	.....	.....	.....	32.90	33.17
10	.....	.....	.....	.....	.....	.....	28.82	.....	.....	.....	33.00	33.14
15	.....	.....	.....	.....	.....	.....	29.40	.....	31.75	.....	33.09	31.77
20	.....	.....	.....	.....	.....	.....	29.88	.....	31.97	.....	33.03	31.10
25	.....	.....	.....	.....	.....	.....	30.16	.....	31.99	.....	32.94	31.25
Eom	34.25	.....	.....	.....	.....	27.32	.....	.....	32.16	32.77	33.11	31.42

1957

	5	31.91	28.10	.....	31.13	30.55	31.87	.....	33.19	34.27	34.57	.....
10	32.26	28.39	.....	27.28	30.58	32.06	32.53	33.53	34.38	34.65	33.90	32.53
15	31.98	.....	31.28	26.85	30.92	.....	32.50	33.75	34.34	33.92	.....	33.12
20	32.25	.....	31.66	29.42	31.32	.....	32.76	33.94	34.41	33.43	.....	32.95
25	30.58	.....	31.95	30.12	31.52	.....	33.15	34.05	34.47	33.09	.....	31.91
Eom	29.17	.....	32.11	30.07	31.74	.....	33.11	34.13	34.50	33.51	.....	30.94

1958

	5	31.76	32.16	31.84	31.49	28.76	.....	.....	28.61	30.56	.....	.....
10	32.07	32.42	31.91	31.12	.....	.....	29.20	30.53	.....	.....	31.96	32.29
15	32.39	32.59	.....	30.66	.....	.....	29.65	30.62	30.62	.....	31.92	.....
20	32.54	33.18	.....	.....	.....	.....	27.74	31.25	30.72	.....	32.04	.....
25	31.98	33.82	.....	.....	.....	.....	27.34	.....	30.76	.....	32.01	.....
Eom	31.89	33.04	31.75	29.74	29.30	.....	29.73	30.55	30.88	.....	32.16	32.57